

Engineering Design File

Project No. 22901

Evaluating Air-Safety for the Co-Located Worker During Controlled Air Sparging of Consolidated TAN V-Tank Waste, Without Activated Carbon Adsorption

**Idaho
Cleanup
Project**

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EDF No.: EDF-6327 EDF Rev. No.: Revision 0 Project File No.: 22901

Evaluating Air-Safety for the Co-Located Worker During Controlled Air Sparging of				
1. Title: Consolidated TAN V-Tank Waste, Without Activated Carbon Adsorption				
2. Index Codes:				
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<p>The purpose of this Engineering Design File (EDF) is to provide an evaluation of off-gas concentrations that could be present in the V-tank workplace if the volatile organic compounds (VOCs) in the existing off-gas system were removed. This EDF uses actual surveyed height and plot coordinates for the off-gas stack and adjacent structures (the Yurt, support trailers, and adjacent buildings), along with detailed air modeling to predict the degree of air dispersion that occurs as the off-gas exits the stack and flows into the work environment. The air-dispersion factor is then applied against the maximum release rates for each contaminant of concern (i.e., trichloroethylene [TCE], tetrachloroethylene [PCE], 1,1,1-trichloroethane [TCA], mercury, and toluene) as the off-gas system is sparged at a controlled rate to limit organic vapors released to the environment to less than 3 lbs/hour (in accordance with 40CFR 264.1032 of the Resource Conservation Recovery Act [RCRA] guidelines).</p> <p>This EDF conservatively evaluates the worker exposure concerns by assuming that the organic release rate of 3 lb/hr is either 100% TCE, 100% TCA, or 100% PCE. At an off-gas flow rate of 310 scfm, this corresponds to 441 ppm TCE, 434 ppm TCA, or 349 ppm PCE, respectively. Estimated maximum concentrations for mercury and toluene during sparging were based on revised source concentrations of 100 mg/kg and 25.1 mg/kg, respectively, which resulted in peak off-gas concentrations of 0.21 ppm of mercury (in mercuric chloride form) and 2.1 ppm of toluene.</p> <p>Air dispersion modeling was conducted for both the existing stack location, and with the stack location moved 30 m northwest of its existing location. Results of the air dispersion model show that the maximum concentration of off-gas vapors present in the co-located work place is 978 ug/m³ for TCE, PCE, and TCA, 0.70 ug/m³ for mercury, and 3.3 ug/m³ for toluene, with the off-gas stack in its existing location. All of these numbers are less than 3% of the allowable threshold limit values (TLVs) for these contaminants. Thirty percent lower workplace concentrations could be achieved by moving the off-gas stack 30 m to the northwest. However, the degree of dispersion at the existing stack location is sufficient to keep all off-gas concentrations below threshold limit values within the co-located workplace area. The results of the calculation support the safe release of organic vapors directly to the atmosphere, at controlled rates of less than 3 lb/hr of organic vapors.</p>				
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ACRONYMS

ACGIH	American Conference of Governmental Industrial Hygienists
CFR	United States Code of Federal Regulations
EDF	Engineering Design File
GAC	granular activated carbon
INL	Idaho National Laboratory
ISC3	Industrial Source Complex, third generation
LOFT	Loss of Fluid Test
NOAA	National Oceanic and Atmospheric Administration
PCE	tetrachloroethylene (also called perchloroethene, tetrachloroethene, or perchloroethylene)
PVC	poly-vinyl chloride
RCRA	Resource Conservation and Recovery Act
RCT	Radiation Control Technology
RD/RA	Remedial Design/Remedial Action
TAN	Test Area North
TCA	1,1,1-trichloroethane
TCE	trichloroethylene (also call trichloroethene)
TLVs	threshold limit values
TLV-TWAs	Threshold Limit Value-Time Weighted Averages
VOCs	volatile organic compounds

Evaluating Air-Safety for the Co-Located Worker During Controlled Air Sparging of Consolidated TAN V-Tank Waste, Without Activated Carbon Adsorption

1. INTRODUCTION

The purpose of the Engineering Design File (EDF) is to document the expected risk to co-located workers of conducting V-tank remediation activities if the volatile organic vapor emissions (less than 3 lb/hr, per 40 CFR 264.1032 of Resource Conservation Recovery Act [RCRA] guidelines) are released directly to the atmosphere. This EDF documents the expected worker risk associated with off-gas emission of the three primary volatile organic compounds (VOCs) known to be present in V-tank waste (trichloroethylene [TCE], 1,1,1-trichloroethane [TCA], and tetrachloroethylene [PCE]), as well as the worker risk associated with vapors released from trace volatile or semivolatile contaminants with occupational emission limits (namely mercury, and toluene) that had been previously identified in the Remedial Design/Remedial Action (RD/RA) work plan for V-tank remediation.

2. METHODOLOGY

The approach used air-dispersion modeling in combination with predicted maximum stack emission levels to provide estimated air concentrations within the co-located work area. Air dispersion modeling was conducted for a 12-ft tall stack, both with the stack located in its existing location (35 ft northeast of the Yurt) and a location 30 m northwest of its existing location (in case a slight relocation of the existing stack system would prove essential to safe operations). The derived air concentrations were then compared to Threshold Limit Value-Time Weighted Averages (TLV-TWAs) that have been established for these contaminants by the American Conference of Governmental Industrial Hygienists (ACGIH 2005), to define the safety of workers within the V-tank area during V-tank remediation operations.

3. DETERMINATION OF MAXIMUM STACK EMISSION CONCENTRATIONS

Maximum stack emission concentrations for each of the three VOCs (TCE, TCA, and PCE) are set by the maximum allowed organic vapor emission rate of 3 lb/hr (see 40 CFR 264.1032 of the RCRA guidelines). These are the only VOCs with substantial concentrations in the V-tank waste. Therefore, it was conservatively assumed that the entire 3 lb/hr of allowable organics emitted during air sparging consisted of only these three organics. This EDF conservatively evaluates each of the VOCs separately, assuming that they each are emitted at up to 3 lb/hr (100% of the allowable organic emission rate). At an off-gas flow rate of 310 scfm, a 3-lb/hr release is equivalent to 2.58 g/m³,^a irrespective of specific contaminant.

Previous operations have shown that the maximum flow rate of the existing off-gas system is 310 scfm. Assuming ideal gas law, such a rate of flow is equivalent to:

$$(310 \text{ std ft}^3/\text{min}) \times (28.3 \text{ L}/\text{ft}^3) / (22.4 \text{ std L}/\text{mole}) = 392 \text{ moles}/\text{min}, \text{ or } 23,500 \text{ moles}/\text{hr}.$$

a. $3 \text{ lb}/\text{hr} \times 453.6 \text{ g}/\text{lb} / 60 \text{ min}/\text{hr} / 310 \text{ std ft}^3/\text{min} \times 35.31 \text{ ft}^3/\text{m}^3 = 2.58 \text{ g}/\text{m}^3$

The maximum allowable emission rate of organics (3 lb/hr, or 1360 g/hr) was first divided by the molecular weight of the three VOCs to produce estimated maximum mole emission rates for each VOC, had they represented 100% of the total VOC emissions. The resultant mole emission rate for each VOC was then divided by the total mole/hr flow rate of off-gas (23,500 moles/hr, see above) to determine the resultant allowable stack emission (in ppm) for each VOC (again, assuming that they each represent 100% of the allowable stack emission of 3 lb/hr. A summary of the calculations for each organic contaminant is shown in Table 1.

Table 1. Maximum VOC Stack Emission Concentrations Used in Co-located Worker Off-Gas Evaluation.

Property	TCE	TCA	PCE
Maximum Emission Rate (g/hr) ^a	1360 (2.58 g/m ³)	1360 (2.58 g/m ³)	1360 (2.58 g/m ³)
Molecular Weight (g/mole)	131.40	133.42	165.85
Maximum Mole Emission Rate (Moles/hr = 1360 g/hr ÷ molecular weight [g/mole])	10.4	10.2	8.2
Maximum Off-Gas Concentration (ppm = max mole emission rate ÷ 23,500 moles/hr × 1E6)	441	434	349

a. Emission rate based on conservative assumption that each VOC is the sole organic emission from the stack, at a particular point in time, and is therefore only limited by the 3 lb/hr organic limitation. Such an assumption provides a conservatively high stack emission, for evaluating air concentrations in the co-located worker area.

In contrast with the primary VOCs, the peak off-gas concentration for mercury and toluene are based on the maximum off-gas concentrations that are estimated to occur if the waste is sparged with 120 scfm of air (the maximum allowable sparge rate for the consolidated tank waste) and then diluted with 190 scfm of bleed air (for a total flow rate of 310 scfm). This is because the concentration of mercury and toluene in the V-tank waste is so low that increased sparge rates will have little effect on their actual emissions (other than making these values somewhat conservative). In addition, the mercury in the V-tanks was assumed to be in a mercuric chloride form, to provide a conservative estimate of the amount of mercury volatilized during sparging. The estimated peak mercury and toluene concentrations exiting the off-gas stack at a rate of 310 scfm are 0.21 ppm and 2.1 ppm, respectively.

4. BUILDING HEIGHT AND LOCATION SURVEYS FOR DISPERSIVE AIR MODELING

In preparation for air-dispersive modeling, a height and location survey was performed for the V-tank operation area. The survey involved the determination of both height and location coordinates for the existing location of the V-tank off-gas stack, the V-tank Yurt, two adjacent V-tank support trailers (the radiation control technology [RCT] trailer and job trailer), and nearby corners for Test Area North (TAN) buildings 666 and 607. Figure 1 shows a detailed layout of the V-tank Yurt structure and operating area (minus the exact location of the existing stack and the two support trailers), relative to TAN buildings 666 and 607.

In addition to the building height and location surveys, information was also needed on the linear flow velocity (ft/sec) of off-gas exiting the 12-ft tall V-tank stack. This is done by first converting standard volumetric off-gas flow rates into actual volumetric off-gas flow rates, and then dividing the actual flow rate by the cross-sectional area of the stack. For purposes of calculation, it was assumed that

the temperature of air exiting the off-gas stack was 80°F (300°K), similar to that measured previously in the original off gas system. In addition, it was assumed that the atmospheric pressure surrounding the stack was equivalent to the average recorded atmospheric pressure at TAN in November (25.23-in. Hg, or 641 Torr, according to the Weather Station at the Idaho National Laboratory [INL]). These values were then used to convert 310 scfm of air into the following acfm of air:

$$= (310 \text{ std ft}^3/\text{min}) \times (300^\circ\text{K}) / (273^\circ\text{K}) \times (760 \text{ Torr}) / (641 \text{ Torr}) = 404 \text{ actual ft}^3/\text{min}.$$

The V-tank off-gas stack is made out of 8-in. diameter, sch-40 polyvinyl chloride (PVC) pipe. The average internal diameter of this pipe is 7.94 in. (0.662 ft). Dividing the actual volumetric flow rate (404 acfm) by the internal cross section area of the PVC stack pipe results in an estimated linear flow velocity of:

$$= (404 \text{ ft}^3/\text{min}) \div [(\pi / 4) \times (0.662 \text{ ft})^2] = 1170 \text{ ft}/\text{min}, \text{ or } 19.6 \text{ ft}/\text{sec} (5.97 \text{ m}/\text{sec}).$$

The calculated linear flow velocity of 19.6 ft/sec was used in the air-dispersion model, along with the surveyed heights and location coordinates for the stack and adjacent structures.

5. AIR-DISPERSION MODELING RESULTS

Air dispersion modeling was performed with the Industrial Source Complex, third generation (ISC3) PRIME model (U.S. Environmental Protection Agency 1995), using the Lakes Environmental interface, Version 5.0. ISC3 incorporates standard Gaussian dispersion algorithms with user-supplied site-specific meteorology to calculate air concentrations at user-defined locations. The PRIME portion of the model computes building parameters used by ISC3 to account for building wake effects. Buildings considered in the modeling were the project Yurt, the RCT trailer, the job trailer, TAN-666, and TAN-607. The emissions point was a stack with parameters:

- Height: 3.7 m (12 ft)
- Diameter: 0.2 m (8 in.)
- Velocity: 6 m/s (19.6 ft/sec).

Initial testing focused on air-dispersion modeling with the off-gas stack located in its existing location, approximately 34 ft northeast of the Yurt. However, there were initial concerns that such a location was too close to the existing operating area. For this reason, a second air-dispersive model was performed, using the same building coordinates, but with the off-gas stack moved 30 m northwest of its original location.

For ease in converting stack release concentrations to workplace air concentrations, a contaminant release rate of 1-lb/hr (0.126 g/s) was assumed. Three years (1996-98) of hourly meteorological data from the 10-m level of National Oceanic and Atmospheric Administration's (NOAA's) Loss of Fluid Test (LOFT) meteorological tower were input into ISC3 for dispersion modeling purposes. For modeling short-term average concentrations, a 100-meter lid height is assumed (Staley et al., 2004). Eight-hour average concentrations were then calculated on a uniform Cartesian grid of 400 × 400 meters, centered around the stack, with grid points (receptors) set at 10 m intervals (1681 total points). Concentrations were modeled at 1.5 meters (5 ft) above ground level to represent the breathing zone of the average human.

The resulting output file for the ISC3 Models are shown in Appendices A and B. Results from the air-dispersive model with the existing stack location found that the maximum 8-hour average concentration was $326 \mu\text{g}/\text{m}^3$ or $0.33 \text{ mg}/\text{m}^3$, assuming a 1-lb/hr contaminant release rate. Results from the air-dispersion model with the stack location moved 30 m northwest gave a maximum 8-hr average concentration of $224 \mu\text{g}/\text{m}^3$ or $0.22 \text{ mg}/\text{m}^3$ (assuming a 1-lb/hr contaminant release rate), only 30% lower than the original location.

Contaminant profile maps that were produced by air-dispersion modeling of the V-tank area, for each of these conditions, are shown in Figures 2 and 3. As shown in these models, the highest expected work area concentrations ($0.326 \mu\text{g}/\text{m}^3$ for the original stack location, and $0.224 \mu\text{g}/\text{m}^3$ for the moved stack location, per lb/hr contaminant release rate) appear to be on the lee side of the Yurt.

6. PEAK CONTAMINANT AIR CONCENTRATIONS IN THE WORK ENVIRONMENT

The resulting air-dispersive fractions identified in Section 5 of the EDF were then applied to the peak contaminant concentrations that may be emitted during V-tank waste sparging operations. For the primary organic contaminants, the air dispersive fractions of $326 \mu\text{g}/\text{m}^3$ and $224 \mu\text{g}/\text{m}^3$ for each lb/hr contaminant release rate were multiplied by 3 lb/hr (the maximum allowable organic vapor emission), to produce the expected peak contaminant concentrations that may be found in the workplace area. For mercury and toluene, however, the estimated off-gas concentrations of 0.21 ppm and 2.1 ppm, had to first be converted into lb/hr units of 0.0021 lb/hr and 0.0101 lb/hr (respectively)^b, before multiplying the new values by the previously determined $326 \mu\text{g}/\text{m}^3$ and $224 \mu\text{g}/\text{m}^3$ (per lb/hr contaminant release rate) air-dispersion fractions.

Table 2 provides the results of the calculated peak contaminant air concentrations expected in the workplace area, for both the existing off-gas stack location, and an off-gas stack location 30 m northwest of the exiting location.

7. PEAK CONTAMINANT AIR CONCENTRATIONS VS. FEDERAL CONCENTRATION LIMITS FOR WORKPLACE AIR

Following the determination of peak contaminant air concentrations in the workplace, it is necessary to compare these peak concentrations against any concentration limits that have been set for workplace air. A review of the existing data indicates that the American Conference of Governmental Industrial Hygienists (ACGIH) has set TLV-TWAs for all five contaminants of concern: TCE, TCA, PCE, mercury and toluene (ACGIH 2005). The TLV-TWAs were first compared to the peak workplace contaminant air concentrations determined with the off-gas stack in its existing location, to determine if there is a need to move the stack farther away from the V-tank operations area. An evaluation of the peak workplace air contaminant concentrations for the relocated off-gas stack condition would only be performed if the first evaluation showed peak concentrations near or over the established TLV-TWAs for these contaminants of concern.

b. The ppm to lb/hr conversions were performed as follows:

Mercury: $0.21 \text{ E-6} \times 310 \text{ scfm} \times 28.31 \text{ L}/\text{ft}^3 \times 60 \text{ min}/\text{hr} / 22.41 \text{ L}/\text{mole} \times 200.6 \text{ g}/\text{mol} / 453.6 \text{ g}/\text{lb} = 0.0021 \text{ lb}/\text{hr}$

Toluene: $2.1 \text{ E-06} \times 310 \text{ scfm} \times 28.31 \text{ L}/\text{ft}^3 \times 60 \text{ min}/\text{hr} / 22.41 \text{ L}/\text{mole} \times 92.13 \text{ g}/\text{mol} / 453.6 \text{ g}/\text{lb} = 0.0101 \text{ lb}/\text{hr}$

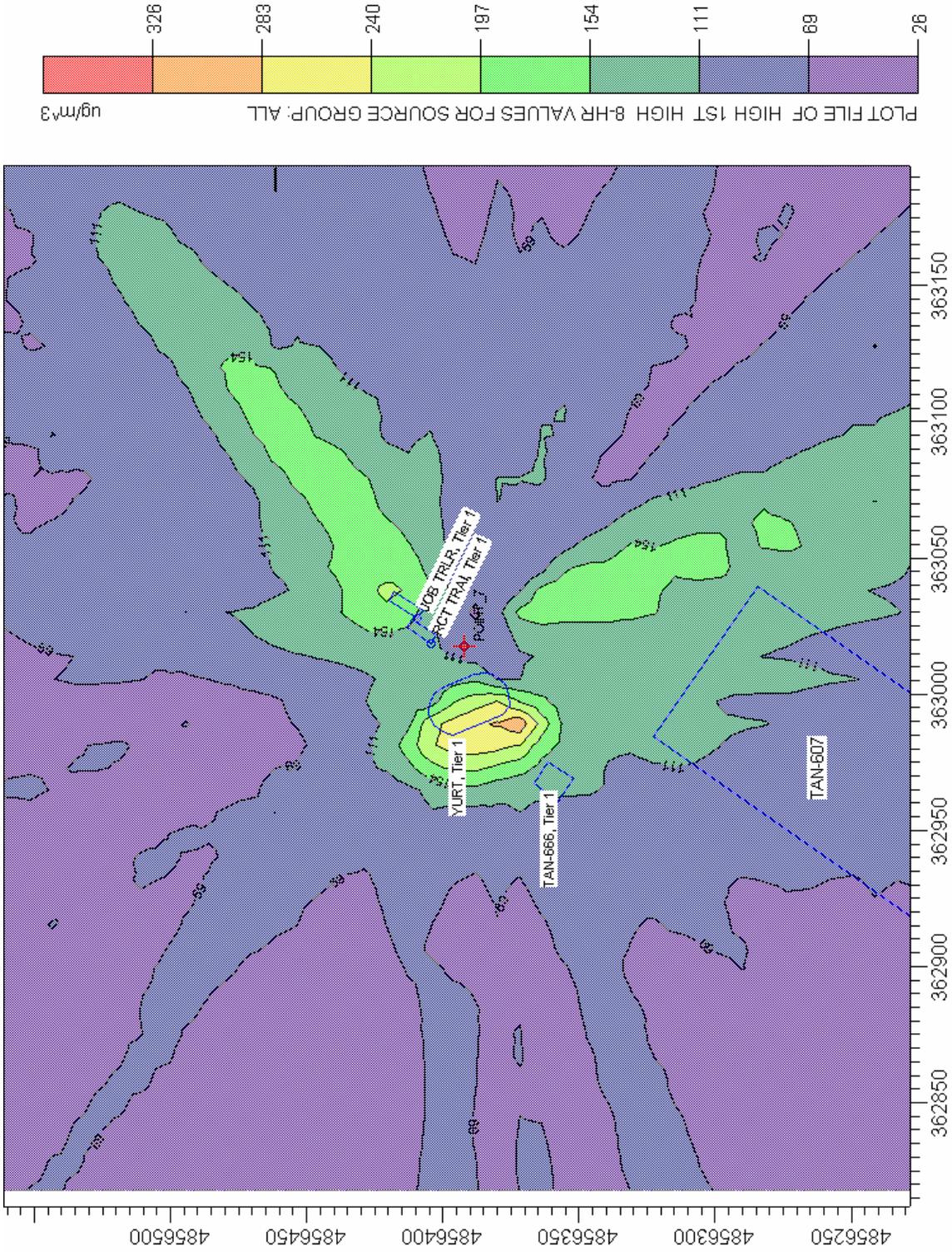


Figure 2. Projected Contaminant Profile Map for the V-Tank Work Area, Assuming the Stack Is in Its Existing Location.

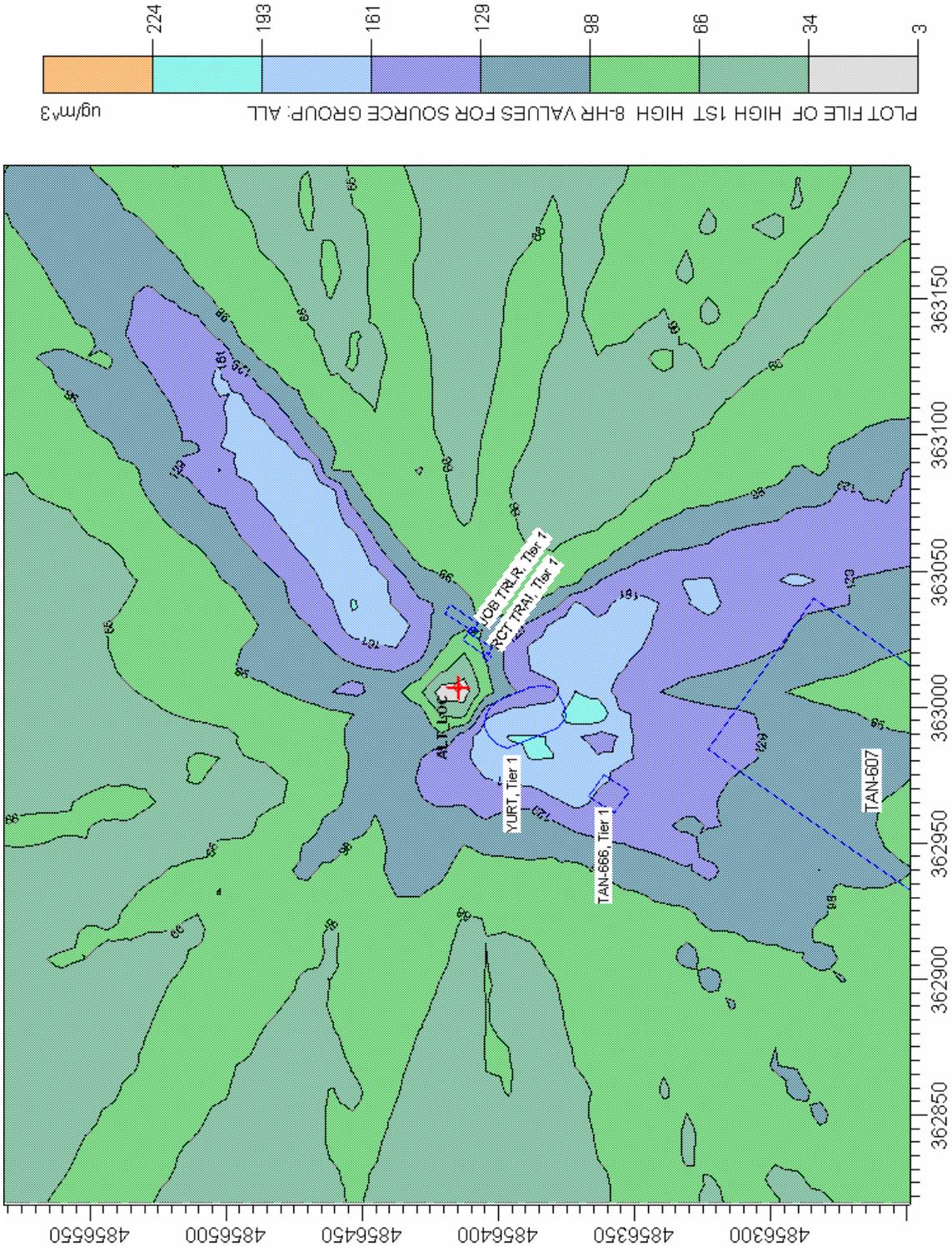


Figure 3. Projected Contaminant Profile Map for the V-Tank Work Area, Assuming the Stack Is moved 30 m Northwest of Its Current Location.

Table 2. Estimated Peak Workplace Air Contaminant Concentrations for the Existing Off-Gas Stack Location and a Potential New Location 30 Meters Northwest of the Existing Location.

Contaminant	Peak Workplace Air Contaminant Concentrations (mg/m ³)	
	Existing Off-Gas Stack Location	Off-Gas Stack Moved 30 Meters Northwest
TCE	978 µg/m ³	672 µg/m ³
TCA	978 µg/m ³	672 µg/m ³
PCE	978 µg/m ³	672 µg/m ³
Mercury	0.70 µg/m ³	0.48 µg/m ³
Toluene	3.29 µg/m ³	2.26 µg/m ³

Table 3 shows the peak contaminant air concentrations that have been determined with the existing off-gas stack location, vs. the TLV-TWAs for workplace air for each of the five contaminants. As shown in the table, the degree of air-dispersion experienced with the existing off-gas stack location is sufficiently large that the peak contaminant concentrations expected in the workplace area are less than 3% of the TLV-TWAs. As a result, the existing stack location is sufficient for protecting co-located workers in the V-tank operational area. The results show that there is no need to move the off-gas stack from its existing location in the V-tank operational area. Although such a move could result in a 30% decrease in contaminant air concentrations (see Table 2), the estimated peak concentrations for the existing location are already so low that such a move is not justified.

Table 3. Peak Contaminant Workplace Air Concentrations, vs. Allowable TLVs, for the Existing Off-Gas Stack Location.

Contaminant	Peak Contaminant Air Concentration in the Workplace	TWA-TLV	Regulatory Authority/ Application	Percent of TLV-TWA
TCE	0.978 mg/m ³	50 ppm _v (269 mg/m ³)	ACGIH/Workplace	0.36%
TCA	0.978 mg/m ³	350 ppm _v (1910 mg/m ³)	ACGIH/Workplace	0.05%
PCE	0.978 mg/m ³	25 ppm _v (170 mg/m ³)	ACGIH/Workplace	0.58%
Mercury	0.70 µg/m ³	250 µg/m ³ (inorganic)	ACGIH/Workplace	2.8 %
Toluene	3.29 µg/m ³	50 ppm _v (188,000 µg/m ³)	ACGIH/Workplace	0.0018%

8. CONCLUSIONS

The results of the air-dispersion modeling show that operating the V-tank sparge system when controlling organic vapor emissions to a rate of less than 3 lb/hr, will produce off-gas contaminant concentrations in the workplace air that are substantially below (less than 3% of) the TLV-TWAs for each of the five contaminants of concern. Such a condition can be achieved without having to relocate the existing V-tank off-gas stack from its current location (approximately 34 ft northeast of the Yurt). The results further support the objective of continuing V-tank waste sparging operations without any mercury or organic vapor adsorption in the off-gas system, provided the rate of sparging is controlled to less than 3 lb/hr of organic vapors released to the environment, per 40 CFR 264.1032.

9. REFERENCES

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Tyson, David R. October 2005. EDF-6326: Revised Source Term Inventory for the V-Tank Waste. Idaho Cleanup Project, Idaho National Laboratory, Idaho Falls, Idaho 83415.

U.S. Code of Federal Regulations (CFR) Part 264.1032. "Standards: Process Vents." 40 CFR 264.1032.

U.S. Environmental Protection Agency. 1995. User's Guide for the Industrial Source Complex, 3rd Generation (ISC3) Dispersion Models, EPA-454/B-95-003a.

Appendix A

ISC3 Output File for the Air Dispersion Model of the Existing Stack Location

app a 6327.out.txt
ISC-PRIME OUTPUT FILE FOR EXISTING STACK LOCATION

**

**
** ISC-PRIME Input Produced by:
** ISC-AERMOD View Ver. 5.0
** Lakes Environmental Software Inc.
** Date: 10/19/2005
** File: C:\ISCVIEW4\TAN\VTank8hr.PIN
**

**
**

** ISC-PRIME Control Pathway

**
**

CO STARTING
TITLEONE C:\ISCVIEW4\TAN\VTank8hr.isc
MODELOPT DFAULT CONC NOCMPL RURAL
AVERTIME 8
POLLUTID MISC.
TERRHGTS FLAT
FLAGPOLE 1.50
RUNORNOT RUN

CO FINISHED
**

** ISC-PRIME Source Pathway

app a 6327.out.txt

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION POINT_7 POINT 363018.000 4856392.000

** Source Parameters **

SRCPARAM POINT_7 0.126 3.660 0.000 6.00000 0.200

** Building Downwash **

BUILDHGT POINT_7	0.00	0.00	0.00	4.90	4.90	4.90
BUILDHGT POINT_7	4.90	4.90	4.90	4.90	4.90	4.90
BUILDHGT POINT_7	0.00	0.00	0.00	0.00	0.00	3.70
BUILDHGT POINT_7	3.70	3.70	3.70	4.90	4.90	4.90
BUILDHGT POINT_7	0.00	0.00	0.00	4.90	4.90	4.90
BUILDHGT POINT_7	0.00	0.00	0.00	0.00	0.00	0.00

BUILDWID POINT_7	0.00	0.00	0.00	28.50	29.50	30.00
BUILDWID POINT_7	30.00	29.50	29.00	28.00	26.50	25.50
BUILDWID POINT_7	0.00	0.00	0.00	0.00	0.00	8.66
BUILDWID POINT_7	7.31	5.75	4.00	28.50	29.50	30.00
BUILDWID POINT_7	0.00	0.00	0.00	28.00	26.50	25.50
BUILDWID POINT_7	0.00	0.00	0.00	0.00	0.00	0.00

BUILDLEN POINT_7	0.00	0.00	0.00	24.00	21.75	19.75
BUILDLEN POINT_7	17.50	18.62	21.62	24.12	26.25	27.75
BUILDLEN POINT_7	0.00	0.00	0.00	0.00	0.00	10.50
BUILDLEN POINT_7	11.00	11.00	11.00	23.75	21.75	19.75
BUILDLEN POINT_7	0.00	0.00	0.00	24.16	26.25	27.75
BUILDLEN POINT_7	0.00	0.00	0.00	0.00	0.00	0.00

XBADJ POINT_7	0.00	0.00	0.00	-27.25	-28.75	-29.25
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app a 6327.out.txt

XBADJ	POINT_7	-28.75	-29.75	-31.62	-32.53	-32.50	-31.50
XBADJ	POINT_7	0.00	0.00	0.00	0.00	0.00	-21.00
XBADJ	POINT_7	-21.50	-22.00	-21.50	3.50	6.75	9.50
XBADJ	POINT_7	0.00	0.00	0.00	8.38	6.25	3.50
XBADJ	POINT_7	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	POINT_7	0.00	0.00	0.00	15.25	12.25	8.75
YBADJ	POINT_7	5.50	1.25	-2.00	-5.50	-8.75	-12.75
YBADJ	POINT_7	0.00	0.00	0.00	0.00	0.00	5.30
YBADJ	POINT_7	2.47	-0.38	-3.25	-15.25	-12.25	-9.00
YBADJ	POINT_7	0.00	0.00	0.00	5.00	8.75	12.25
YBADJ	POINT_7	0.00	0.00	0.00	0.00	0.00	0.00

SRCGROUP ALL

SO FINISHED

**

** ISC-PRIME Receptor Pathway

**

**

RE STARTING

GRIDCART UCART1 STA

XYINC 362818.00 41 10.00 4856192.00 41 10.00

FLAG	1	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	1	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	1	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	1	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	1	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	1	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	1	1.50	1.50	1.50	1.50	1.50	1.50

app a 6327.out.txt							
FLAG	2	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	2	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	2	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	2	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	2	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	2	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	2	1.50	1.50	1.50	1.50	1.50	
FLAG	3	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	3	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	3	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	3	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	3	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	3	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	3	1.50	1.50	1.50	1.50	1.50	
FLAG	4	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	4	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	4	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	4	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	4	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	4	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	4	1.50	1.50	1.50	1.50	1.50	
FLAG	5	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	5	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	5	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	5	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	5	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	5	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	5	1.50	1.50	1.50	1.50	1.50	
FLAG	6	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	6	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	6	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	6	1.50	1.50	1.50	1.50	1.50	1.50

app a 6327.out.txt

FLAG	6	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	6	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	6	1.50	1.50	1.50	1.50	1.50	
FLAG	7	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	7	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	7	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	7	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	7	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	7	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	7	1.50	1.50	1.50	1.50	1.50	
FLAG	8	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	8	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	8	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	8	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	8	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	8	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	8	1.50	1.50	1.50	1.50	1.50	
FLAG	9	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	9	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	9	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	9	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	9	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	9	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	9	1.50	1.50	1.50	1.50	1.50	
FLAG	10	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	10	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	10	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	10	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	10	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	10	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	10	1.50	1.50	1.50	1.50	1.50	

		app a 6327.out.txt					
FLAG	11	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	11	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	11	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	11	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	11	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	11	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	11	1.50	1.50	1.50	1.50	1.50	
FLAG	12	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	12	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	12	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	12	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	12	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	12	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	12	1.50	1.50	1.50	1.50	1.50	
FLAG	13	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	13	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	13	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	13	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	13	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	13	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	13	1.50	1.50	1.50	1.50	1.50	
FLAG	14	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	14	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	14	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	14	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	14	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	14	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	14	1.50	1.50	1.50	1.50	1.50	
FLAG	15	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	15	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	15	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	15	1.50	1.50	1.50	1.50	1.50	1.50

app a 6327.out.txt

FLAG	15	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	15	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	15	1.50	1.50	1.50	1.50	1.50	
FLAG	16	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	16	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	16	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	16	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	16	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	16	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	16	1.50	1.50	1.50	1.50	1.50	
FLAG	17	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	17	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	17	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	17	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	17	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	17	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	17	1.50	1.50	1.50	1.50	1.50	
FLAG	18	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	18	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	18	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	18	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	18	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	18	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	18	1.50	1.50	1.50	1.50	1.50	
FLAG	19	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	19	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	19	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	19	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	19	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	19	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	19	1.50	1.50	1.50	1.50	1.50	

		app a 6327.out.txt					
FLAG	20	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	20	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	20	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	20	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	20	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	20	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	20	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	21	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	21	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	21	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	21	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	21	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	21	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	21	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	21	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	22	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	22	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	22	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	22	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	22	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	22	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	22	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	22	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	23	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	23	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	23	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	23	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	23	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	23	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	23	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	24	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	24	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	24	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	24	1.50	1.50	1.50	1.50	1.50	1.50

app a 6327.out.txt

FLAG	24	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	24	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	24	1.50	1.50	1.50	1.50	1.50	
FLAG	25	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	25	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	25	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	25	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	25	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	25	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	25	1.50	1.50	1.50	1.50	1.50	
FLAG	26	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	26	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	26	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	26	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	26	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	26	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	26	1.50	1.50	1.50	1.50	1.50	
FLAG	27	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	27	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	27	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	27	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	27	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	27	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	27	1.50	1.50	1.50	1.50	1.50	
FLAG	28	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	28	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	28	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	28	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	28	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	28	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	28	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	28	1.50	1.50	1.50	1.50	1.50	

app a 6327.out.txt							
FLAG	29	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	29	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	29	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	29	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	29	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	29	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	29	1.50	1.50	1.50	1.50	1.50	
FLAG	30	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	30	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	30	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	30	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	30	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	30	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	30	1.50	1.50	1.50	1.50	1.50	
FLAG	31	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	31	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	31	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	31	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	31	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	31	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	31	1.50	1.50	1.50	1.50	1.50	
FLAG	32	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	32	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	32	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	32	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	32	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	32	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	32	1.50	1.50	1.50	1.50	1.50	
FLAG	33	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	33	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	33	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	33	1.50	1.50	1.50	1.50	1.50	1.50

app a 6327.out.txt

FLAG	33	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	33	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	33	1.50	1.50	1.50	1.50	1.50	
FLAG	34	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	34	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	34	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	34	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	34	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	34	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	34	1.50	1.50	1.50	1.50	1.50	
FLAG	35	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	35	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	35	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	35	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	35	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	35	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	35	1.50	1.50	1.50	1.50	1.50	
FLAG	36	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	36	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	36	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	36	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	36	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	36	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	36	1.50	1.50	1.50	1.50	1.50	
FLAG	37	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	37	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	37	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	37	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	37	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	37	1.50	1.50	1.50	1.50	1.50	1.50
FLAG	37	1.50	1.50	1.50	1.50	1.50	

```
app a 6327.out.txt
FLAG 38 1.50 1.50 1.50 1.50 1.50 1.50
FLAG 38 1.50 1.50 1.50 1.50 1.50
FLAG 39 1.50 1.50 1.50 1.50 1.50
FLAG 40 1.50 1.50 1.50 1.50 1.50
FLAG 41 1.50 1.50 1.50 1.50 1.50
```

GRIDCART UCART1 END

RE FINISHED

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app a 6327.out.txt

```
** ISC-PRIME Meteorology Pathway
*****
**
**
ME STARTING
  INPUTFIL TAN9698H.ASC FREE
  ANEMHGHT 10 METERS
  SURFDATA 0 1996 LOF
  UAIRDATA 0 1996
ME FINISHED
**
*****
** ISC-PRIME Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 8 1ST
** Auto-Generated Plotfiles
  PLOTFILE 8 ALL 1ST VTANK8HR.PR\08H1GALL.PLT
OU FINISHED
*****
*** SETUP Finishes Successfully ***
*****
1 *** ISC3P - VERSION 04269 ***      *** C:\ISCview4\TAN\VTank8hr.isc
      ***                          ***
      ***                          ***

**MODELOPTs: CONC                      PAGE 1
                                         RURAL FLAT  FLGPOL DFAULT
                                         NOCMPL
                                         ***
                                         MODEL SETUP OPTIONS SUMMARY
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```

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                                app a 6327.out.txt
**Simple Terrain Model is Selected
**Model Is Setup For Calculation of Average CONCentration Values.
  -- SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION.  DDPLETE = F
**Model Uses NO WET DEPLETION.  WDPLETE = F
**NO WET SCAVENGING Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations
**Model Uses RURAL Dispersion.
**Model Uses Regulatory DEFAULT Options:
    1. Final Plume Rise.
    2. Stack-tip Downwash.
    3. Buoyancy-induced Dispersion.
    4. Use Calms Processing Routine.
    5. Not Use Missing Data Processing Routine.
    6. Default Wind Profile Exponents.
    7. Default Vertical Potential Temperature Gradients.
    8. "Upper Bound" Values for Supersquat Buildings.
    9. No Exponential Decay for RURAL Mode
**Model Assumes Receptors on FLAT Terrain.
**Model Accepts FLAGPOLE Receptor Heights.
**Model Calculates 1 Short Term Average(s) of: 8-HR
**This Run Includes: 1 Source(s); 1 Source Group(s); and 1681 Receptor(s)
**The Model Assumes A Pollutant Type of: MISC.
**Model Set To Continue RUNNING After the Setup Testing.
**Output Options Selected:
Keyword) Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword) Model Outputs External File(s) of High values for Plotting (PLOTFILE
**NOTE: The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and
Missing Hours
**Misc. Inputs: Anem. Hgt. (m) = 10.00 ; Decay Coef. = 0.000 ;
Rot. Angle = 0.0
                Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
                Output Units = MICROGRAMS/M**3
1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc
***
***
**MODELOPTS: CONC
                                PAGE 2
                                RURAL FLAT FLGPOL DFAULT
                                NOCMPL
```

app a 6327.out.txt

*** POINT SOURCE DATA ***

STACK	STACK	NUMBER	EMISSION	RATE		BASE	STACK	STACK	
SOURCE	PART.	BUILDING	EMISSION	RATE	X	Y	ELEV.	HEIGHT	TEMP.
VEL. DIAMETER	EXISTS	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(DEG.K)
(M/SEC)	(METERS)	CATS.	BY						

```

POINT_7      0 0.12600E+00 363018.0 4856392.0 0.0 3.66 0.00
6.00 0.20 YES
1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc
***
***

```

```

**MODELOPTS: CONC
PAGE 3
RURAL FLAT FLGPOL DFAULT
NOCMPL

```

*** SOURCE IDS DEFINING SOURCE GROUPS ***

```

GROUP ID SOURCE IDS
ALL POINT_7 ,
1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc
***
***

```

```

**MODELOPTS: CONC
PAGE 4
RURAL FLAT FLGPOL DFAULT
NOCMPL

```

*** DIRECTION SPECIFIC BUILDING DIMENSIONS

```

SOURCE ID: POINT_7
IFV BH BW BL XADJ YADJ WAK IFV BH BW BL XADJ YADJ
WAK
0 1 0.0, 0.0, 0.0, 0.0, 0.0, 0 2 0.0, 0.0, 0.0, 0.0, 0.0,
0 3 0.0, 0.0, 0.0, 0.0, 0.0, 0 4 4.9, 28.5, 24.0, -27.2, 15.2,
0 5 4.9, 29.5, 21.8, -28.8, 12.2, 0 6 4.9, 30.0, 19.8, -29.2, 8.8,
0 7 4.9, 30.0, 17.5, -28.8, 5.5, 0 8 4.9, 29.5, 18.6, -29.8, 1.2,
0 9 4.9, 29.0, 21.6, -31.6, -2.0, 0 10 4.9, 28.0, 24.1, -32.5, -5.5,
0 11 4.9, 26.5, 26.2, -32.5, -8.8, 0 12 4.9, 25.5, 27.8, -31.5, -12.8,
0 13 0.0, 0.0, 0.0, 0.0, 0.0, 0 14 0.0, 0.0, 0.0, 0.0, 0.0,
0 15 0.0, 0.0, 0.0, 0.0, 0.0, 0 16 0.0, 0.0, 0.0, 0.0, 0.0,

```

app a 6327.out.txt

0	17	0.0,	0.0,	0.0,	0.0,	0.0,	0	18	3.7,	8.7,	10.5,	-21.0,	5.3,
0	19	3.7,	7.3,	11.0,	-21.5,	2.5,	0	20	3.7,	5.8,	11.0,	-22.0,	-0.4,
0	21	3.7,	4.0,	11.0,	-21.5,	-3.2,	0	22	4.9,	28.5,	23.8,	3.5,	-15.2,
0	23	4.9,	29.5,	21.8,	6.8,	-12.2,	0	24	4.9,	30.0,	19.8,	9.5,	-9.0,
0	25	0.0,	0.0,	0.0,	0.0,	0.0,	0	26	0.0,	0.0,	0.0,	0.0,	0.0,
0	27	0.0,	0.0,	0.0,	0.0,	0.0,	0	28	4.9,	28.0,	24.2,	8.4,	5.0,
0	29	4.9,	26.5,	26.2,	6.2,	8.8,	0	30	4.9,	25.5,	27.8,	3.5,	12.2,
0	31	0.0,	0.0,	0.0,	0.0,	0.0,	0	32	0.0,	0.0,	0.0,	0.0,	0.0,
0	33	0.0,	0.0,	0.0,	0.0,	0.0,	0	34	0.0,	0.0,	0.0,	0.0,	0.0,
0	35	0.0,	0.0,	0.0,	0.0,	0.0,	0	36	0.0,	0.0,	0.0,	0.0,	0.0,

1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc

**MODELOPTS: CONC

PAGE 5
RURAL FLAT FLGPOL DFAULT
NOCMPL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

*** X-COORDINATES OF GRID ***
(METERS)

362818.0, 362828.0, 362838.0, 362848.0, 362858.0, 362868.0, 362878.0,
362888.0, 362898.0, 362908.0,
362918.0, 362928.0, 362938.0, 362948.0, 362958.0, 362968.0, 362978.0,
362988.0, 362998.0, 363008.0,
363018.0, 363028.0, 363038.0, 363048.0, 363058.0, 363068.0, 363078.0,
363088.0, 363098.0, 363108.0,
363118.0, 363128.0, 363138.0, 363148.0, 363158.0, 363168.0, 363178.0,
363188.0, 363198.0, 363208.0,
363218.0,

*** Y-COORDINATES OF GRID ***
(METERS)

4856192.0, 4856202.0, 4856212.0, 4856222.0, 4856232.0, 4856242.0, 4856252.0,
4856262.0, 4856272.0, 4856282.0,
4856292.0, 4856302.0, 4856312.0, 4856322.0, 4856332.0, 4856342.0, 4856352.0,
4856362.0, 4856372.0, 4856382.0,
4856392.0, 4856402.0, 4856412.0, 4856422.0, 4856432.0, 4856442.0, 4856452.0,
4856462.0, 4856472.0, 4856482.0,
4856492.0, 4856502.0, 4856512.0, 4856522.0, 4856532.0, 4856542.0, 4856552.0,
4856562.0, 4856572.0, 4856582.0,
4856592.0,

1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc
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app a 6327.out.txt

**MODELOPTS: CONC

PAGE 6
RURAL FLAT FLGPOL DFAULT
NOCMPL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	362818.00	362828.00	362838.00	X-COORD (METERS)	362848.00	362858.00
362868.00	362878.00	362888.00	362898.00			
4856592.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856582.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856572.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856562.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856552.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856542.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856532.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856522.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856512.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856502.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856492.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856482.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856472.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856462.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856452.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856442.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856432.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856422.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856412.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856402.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856392.00	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856382.00	1.50	1.50	1.50	1.50	1.50	1.50

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1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856372.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856362.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856352.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856342.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856332.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856322.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856312.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856302.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856292.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856282.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856272.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856262.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856252.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856242.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856232.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856222.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856212.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4856202.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

1 *** ISC3P - VERSION 04269 *** C:\ISCVIEW4\TAN\VTANK8HR.ISC

**MODELOPTS: CONC

PAGE 7
RURAL FLAT FLGPOL DFAULT
NOCMPL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	362818.00	362828.00	362838.00	362848.00	362858.00
362868.00	362878.00	362888.00	362898.00		

4856192.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

1 *** ISC3P - VERSION 04269 *** C:\ISCVIEW4\TAN\VTANK8HR.ISC

app a 6327.out.txt

**MODELOPTS: CONC

PAGE 8
RURAL FLAT FLGPOL DFAULT
NOCMPL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	362908.00	362918.00	362928.00	362938.00	362948.00
362958.00	362968.00	362978.00	362988.00		
4856592.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856582.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856572.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856562.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856552.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856542.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856532.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856522.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856512.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856502.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856492.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856482.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856472.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856462.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856452.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856442.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856432.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856422.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856412.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856402.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856392.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856382.00	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50
4856372.00	1.50	1.50	1.50	1.50	1.50

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app a 6327.out.txt
  1.50
4856362.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856352.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856342.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856332.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856322.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856312.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856302.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856292.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856282.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856272.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856262.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856252.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856242.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856232.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856222.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856212.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
  1.50
4856202.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1 *** ISC3P - VERSION 04269 *** *** C:\ISCView4\tan\VTank8hr.isc
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**MODELOPTS: CONC PAGE 9 RURAL FLAT FLGPOL DFAULT NOCMPL
*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART
```

```
* RECEPTOR FLAGPOLE HEIGHTS IN METERS *
Y-COORD (METERS) | 362908.00 362918.00 362928.00 X-COORD (METERS)
362958.00 362968.00 362978.00 362988.00 362938.00 362948.00
-----
4856192.00 | 1.50 1.50 1.50 1.50 1.50 1.50
1 *** ISC3P - VERSION 04269 *** *** C:\ISCView4\tan\VTank8hr.isc
***
***
```

app a 6327.out.txt

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**MODELOPTS: CONC

RURAL FLAT FLGPOL DFAULT
NOCMPL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	362998.00	363008.00	363018.00	363028.00	363038.00
363048.00	363058.00	363068.00	363078.00		
4856592.00	1.50	1.50	1.50	1.50	1.50
4856582.00	1.50	1.50	1.50	1.50	1.50
4856572.00	1.50	1.50	1.50	1.50	1.50
4856562.00	1.50	1.50	1.50	1.50	1.50
4856552.00	1.50	1.50	1.50	1.50	1.50
4856542.00	1.50	1.50	1.50	1.50	1.50
4856532.00	1.50	1.50	1.50	1.50	1.50
4856522.00	1.50	1.50	1.50	1.50	1.50
4856512.00	1.50	1.50	1.50	1.50	1.50
4856502.00	1.50	1.50	1.50	1.50	1.50
4856492.00	1.50	1.50	1.50	1.50	1.50
4856482.00	1.50	1.50	1.50	1.50	1.50
4856472.00	1.50	1.50	1.50	1.50	1.50
4856462.00	1.50	1.50	1.50	1.50	1.50
4856452.00	1.50	1.50	1.50	1.50	1.50
4856442.00	1.50	1.50	1.50	1.50	1.50
4856432.00	1.50	1.50	1.50	1.50	1.50
4856422.00	1.50	1.50	1.50	1.50	1.50
4856412.00	1.50	1.50	1.50	1.50	1.50
4856402.00	1.50	1.50	1.50	1.50	1.50
4856392.00	1.50	1.50	1.50	1.50	1.50
4856382.00	1.50	1.50	1.50	1.50	1.50
4856372.00	1.50	1.50	1.50	1.50	1.50
4856362.00	1.50	1.50	1.50	1.50	1.50

app a 6327.out.txt
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856352.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856342.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856332.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856322.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856312.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856302.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856292.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856282.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856272.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856262.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856252.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856242.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856232.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856222.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856212.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856202.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1 *** ISC3P - VERSION 04269 *** C:\ISCview4\tan\vtank8hr.isc

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RURAL FLAT FLGPOL DFAULT
NOCMPL
*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *
Y-COORD (METERS) | 362998.00 363008.00 363018.00 X-COORD (METERS)
363048.00 363058.00 363068.00 363078.00 363028.00 363038.00

4856192.00 | 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50
1 *** ISC3P - VERSION 04269 *** C:\ISCview4\tan\vtank8hr.isc

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RURAL FLAT FLGPOL DFAULT
Page 22
**MODELOPTS: CONC

app a 6327.out.txt
NOCMPL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	363088.00	363098.00	363108.00	363118.00	363128.00
363138.00	363148.00	363158.00	363168.00		
4856592.00	1.50	1.50	1.50	1.50	1.50
4856582.00	1.50	1.50	1.50	1.50	1.50
4856572.00	1.50	1.50	1.50	1.50	1.50
4856562.00	1.50	1.50	1.50	1.50	1.50
4856552.00	1.50	1.50	1.50	1.50	1.50
4856542.00	1.50	1.50	1.50	1.50	1.50
4856532.00	1.50	1.50	1.50	1.50	1.50
4856522.00	1.50	1.50	1.50	1.50	1.50
4856512.00	1.50	1.50	1.50	1.50	1.50
4856502.00	1.50	1.50	1.50	1.50	1.50
4856492.00	1.50	1.50	1.50	1.50	1.50
4856482.00	1.50	1.50	1.50	1.50	1.50
4856472.00	1.50	1.50	1.50	1.50	1.50
4856462.00	1.50	1.50	1.50	1.50	1.50
4856452.00	1.50	1.50	1.50	1.50	1.50
4856442.00	1.50	1.50	1.50	1.50	1.50
4856432.00	1.50	1.50	1.50	1.50	1.50
4856422.00	1.50	1.50	1.50	1.50	1.50
4856412.00	1.50	1.50	1.50	1.50	1.50
4856402.00	1.50	1.50	1.50	1.50	1.50
4856392.00	1.50	1.50	1.50	1.50	1.50
4856382.00	1.50	1.50	1.50	1.50	1.50
4856372.00	1.50	1.50	1.50	1.50	1.50
4856362.00	1.50	1.50	1.50	1.50	1.50
4856352.00	1.50	1.50	1.50	1.50	1.50

app a 6327.out.txt
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856342.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856332.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856322.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856312.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856302.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856292.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856282.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856272.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856262.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856252.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856242.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856232.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856222.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856212.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
4856202.00 | 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50

1 *** ISC3P - VERSION 04269 *** *** C:\ISCVIEW4\TAN\VTank8hr.isc

PAGE 13
RURAL FLAT FLGPOL DFAULT
NOCMPL

**MODELOPTs: CONC

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	363088.00	363098.00	363108.00	X-COORD (METERS)	363118.00	363128.00
363138.00	363148.00	363158.00	363168.00			

4856192.00 | 1.50 1.50 1.50 1.50 1.50 1.50
1.50 1.50 1.50 1.50 1.50 1.50
1 *** ISC3P - VERSION 04269 *** *** C:\ISCVIEW4\TAN\VTank8hr.isc

PAGE 14
RURAL FLAT FLGPOL DFAULT
NOCMPL

**MODELOPTs: CONC

app a 6327.out.txt

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	363178.00	363188.00	363198.00	363208.00	X-COORD (METERS)	363218.00
4856592.00	1.50	1.50	1.50	1.50	1.50	1.50
4856582.00	1.50	1.50	1.50	1.50	1.50	1.50
4856572.00	1.50	1.50	1.50	1.50	1.50	1.50
4856562.00	1.50	1.50	1.50	1.50	1.50	1.50
4856552.00	1.50	1.50	1.50	1.50	1.50	1.50
4856542.00	1.50	1.50	1.50	1.50	1.50	1.50
4856532.00	1.50	1.50	1.50	1.50	1.50	1.50
4856522.00	1.50	1.50	1.50	1.50	1.50	1.50
4856512.00	1.50	1.50	1.50	1.50	1.50	1.50
4856502.00	1.50	1.50	1.50	1.50	1.50	1.50
4856492.00	1.50	1.50	1.50	1.50	1.50	1.50
4856482.00	1.50	1.50	1.50	1.50	1.50	1.50
4856472.00	1.50	1.50	1.50	1.50	1.50	1.50
4856462.00	1.50	1.50	1.50	1.50	1.50	1.50
4856452.00	1.50	1.50	1.50	1.50	1.50	1.50
4856442.00	1.50	1.50	1.50	1.50	1.50	1.50
4856432.00	1.50	1.50	1.50	1.50	1.50	1.50
4856422.00	1.50	1.50	1.50	1.50	1.50	1.50
4856412.00	1.50	1.50	1.50	1.50	1.50	1.50
4856402.00	1.50	1.50	1.50	1.50	1.50	1.50
4856392.00	1.50	1.50	1.50	1.50	1.50	1.50
4856382.00	1.50	1.50	1.50	1.50	1.50	1.50
4856372.00	1.50	1.50	1.50	1.50	1.50	1.50
4856362.00	1.50	1.50	1.50	1.50	1.50	1.50
4856352.00	1.50	1.50	1.50	1.50	1.50	1.50
4856342.00	1.50	1.50	1.50	1.50	1.50	1.50
4856332.00	1.50	1.50	1.50	1.50	1.50	1.50
4856322.00	1.50	1.50	1.50	1.50	1.50	1.50
4856312.00	1.50	1.50	1.50	1.50	1.50	1.50
4856302.00	1.50	1.50	1.50	1.50	1.50	1.50
4856292.00	1.50	1.50	1.50	1.50	1.50	1.50
4856282.00	1.50	1.50	1.50	1.50	1.50	1.50
4856272.00	1.50	1.50	1.50	1.50	1.50	1.50
4856262.00	1.50	1.50	1.50	1.50	1.50	1.50
4856252.00	1.50	1.50	1.50	1.50	1.50	1.50
4856242.00	1.50	1.50	1.50	1.50	1.50	1.50
4856232.00	1.50	1.50	1.50	1.50	1.50	1.50
4856222.00	1.50	1.50	1.50	1.50	1.50	1.50
4856212.00	1.50	1.50	1.50	1.50	1.50	1.50
4856202.00	1.50	1.50	1.50	1.50	1.50	1.50

1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc

**MODELOPTs: CONC

PAGE 15
RURAL FLAT FLGPOL DFAULT
NOCMPL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

app a 6327.out.txt

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)		363178.00	363188.00	363198.00	363208.00	X-COORD (METERS)	363218.00
4856192.00		1.50	1.50	1.50	1.50	1.50	1.50
1 *** ISC3P - VERSION 04269 ***		***	***	***	***	C:\ISCView4\TAN\VTank8hr.isc	

**MODELOPTs: CONC

PAGE 16
 RURAL FLAT FLGPOL DFAULT
 NOCMPL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
 LESS THAN 1.0 METER OR WITHIN OPEN PIT SOURCE

DISTANCE (METERS)	SOURCE ID	- - RECEPTOR LOCATION - -	XR (METERS)	YR (METERS)
0.00	1 *** ISC3P - VERSION 04269 ***	POINT_7	363018.0	4856392.0

**MODELOPTs: CONC

PAGE 17
 RURAL FLAT FLGPOL DFAULT
 NOCMPL

PROCESSING ***
 *** METEOROLOGICAL DAYS SELECTED FOR (1=YES; 0=NO)

1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
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app a 6327.out.txt
WHAT IS INCLUDED IN THE DATA FILE.

CATEGORIES ***
*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
(METERS/SEC)
10.80, 1.54, 3.09, 5.14, 8.23,

*** WIND PROFILE EXPONENTS ***

5	STABILITY CATEGORY 6	1	2	WIND SPEED CATEGORY 3	4
.70000E-01	A	.70000E-01	.70000E-01	.70000E-01	
.70000E-01	B	.70000E-01	.70000E-01	.70000E-01	
.10000E+00	C	.10000E+00	.10000E+00	.10000E+00	
.15000E+00	D	.15000E+00	.15000E+00	.15000E+00	
.35000E+00	E	.35000E+00	.35000E+00	.35000E+00	
.55000E+00	F	.55000E+00	.55000E+00	.55000E+00	

GRADIENTS ***
*** VERTICAL POTENTIAL TEMPERATURE
(DEGREES KELVIN PER METER)

5	STABILITY CATEGORY 6	1	2	WIND SPEED CATEGORY 3	4
.00000E+00	A	.00000E+00	.00000E+00	.00000E+00	
.00000E+00	B	.00000E+00	.00000E+00	.00000E+00	
.00000E+00	C	.00000E+00	.00000E+00	.00000E+00	
.00000E+00	D	.00000E+00	.00000E+00	.00000E+00	
.20000E-01	E	.20000E-01	.20000E-01	.20000E-01	
.35000E-01	F	.35000E-01	.35000E-01	.35000E-01	

1 *** ISC3P - VERSION 04269 *** ** C:\ISCVIEW4\TAN\VTank8hr.isc

**MODELOPTS: CONC PAGE 18
RURAL FLAT FLGPOL DFAULT
NOCMPL

ENGINEERING DESIGN FILE

app a 6327.out.txt

FILE: TAN9698H.ASC

FORMAT: FREE

0 SURFACE STATION NO.: 0 UPPER AIR STATION NO.:
UNKNOWN NAME: LOF NAME:
1996 YEAR: 1996 YEAR:

(M)	USTAR	M-O	LENGTH	Z-0	IPCODE	FLOW	SPEED	TEMP	STAB	MIXING HEIGHT
URBAN	YEAR	(M/S)	MONTH	DAY	HR	VECTOR	(M/S)	(K)	CLASS	RURAL
			(M)		(M)	(mm/HR)				
100.0	96	0.0000	1	1	1	114.0	3.00	273.5	5	100.0
100.0	96	0.0000	1	1	2	145.0	6.70	273.9	4	100.0
100.0	96	0.0000	1	1	3	144.0	7.00	273.7	4	100.0
100.0	96	0.0000	1	1	4	149.0	6.20	273.1	4	100.0
100.0	96	0.0000	1	1	5	208.0	3.20	265.2	4	100.0
100.0	96	0.0000	1	1	6	216.0	3.40	263.9	4	100.0
100.0	96	0.0000	1	1	7	199.0	3.10	264.7	4	100.0
100.0	96	0.0000	1	1	8	230.0	1.80	264.8	6	100.0
100.0	96	0.0000	1	1	9	230.0	1.80	263.4	6	100.0
100.0	96	0.0000	1	1	10	179.0	3.50	264.6	4	100.0
100.0	96	0.0000	1	1	11	186.0	3.90	266.3	4	100.0
100.0	96	0.0000	1	1	12	212.0	2.10	268.4	1	100.0
100.0	96	0.0000	1	1	13	254.0	1.80	270.6	1	100.0
100.0	96	0.0000	1	1	14	244.0	1.60	271.3	1	100.0
100.0	96	0.0000	1	1	15	224.0	2.60	271.8	1	100.0
100.0	96	0.0000	1	1	16	214.0	2.00	271.8	1	100.0
100.0	96	0.0000	1	1	17	260.0	2.70	271.4	1	100.0
100.0	96	0.0000	1	1	18	203.0	2.80	271.1	6	100.0
100.0	96	0.0000	1	1	19	227.0	3.10	271.2	5	100.0
100.0	96	0.0000	1	1	20	230.0	5.00	270.2	4	100.0
100.0	96	0.0000	1	1	21	223.0	3.20	268.3	5	100.0
100.0	96	0.0000	1	1	22	202.0	1.30	267.5	6	100.0
100.0	96	0.0000	1	1	23	46.0	1.00	265.7	6	100.0
100.0	96	0.0000	1	1	24	0.00	0.00			

app a 6327.out.txt
100.0 96 1 1 24 60.0 1.10 265.5 6 100.0
0.0000 0.0 0.0000 0 0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.
1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc

**MODELOPTS: CONC PAGE 19
RURAL FLAT FLGPOL DFAULT
NOCMPL

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): POINT_7 ,

GRIDCART *** *** NETWORK ID: UCART1 ; NETWORK TYPE:

** CONC OF MISC. IN MICROGRAMS/M**3
**

Y-COORD (METERS)					X-COORD (METERS)
362848.00		362818.00	362858.00	362828.00	362838.00

4856592.0		41.23515	(98020108)	42.96130	(98020108)	36.71828	(97111408)
47.28525		(98041124)	42.34330	(98011124)			
4856582.0		39.20604	(98092208)	42.76912	(98020108)	43.92239	(98020108)
38.90336		(97111408)	50.21044	(98041124)			
4856572.0		40.50561	(97061524)	40.77903	(97122324)	44.29866	(98020108)
44.69462		(98020108)	41.16484	(98041124)			
4856562.0		40.75989	(97122516)	42.35327	(97122324)	44.07212	(97122324)
45.79812		(98020108)	45.20700	(98020108)			
4856552.0		73.33913	(98032224)	43.91836	(98032224)	45.69435	(97122324)
47.75780		(97122324)	47.23390	(98020108)			
4856542.0		82.12254	(98032224)	80.72957	(98032224)	51.93896	(98032224)
49.40591		(97122324)	51.89088	(97122324)			
4856532.0		49.54911	(98032224)	77.86983	(98032224)	86.46664	(98032224)
60.86229		(98032224)	53.52472	(97122324)			
4856522.0		43.73818	(98010324)	41.76483	(96120308)	70.21758	(98032224)
89.14331		(98032224)	70.23674	(98032224)			
4856512.0		48.61452	(98010324)	48.55634	(98010324)	45.25669	(96120308)
58.03945		(98032224)	87.16043	(98032224)			
4856502.0		41.18465	(98010324)	48.60265	(98010324)	51.98483	(98010324)
49.67265		(98010324)	48.28125	(97122324)			
4856492.0		29.53641	(96082624)	36.48139	(98010324)	46.27271	(98010324)
53.31483		(98010324)	54.92337	(98010324)			
4856482.0		29.92095	(96082624)	31.86087	(96082624)	32.27515	(96082624)
41.65637		(98010324)	51.98091	(98010324)			
4856472.0		25.53586	(96022624)	28.57012	(96082624)	32.25972	(96082624)
34.76488		(96082624)	35.50486	(96082624)			
4856462.0		36.37910	(98032308)	29.01793	(98032308)	28.34644	(96022624)
30.51396		(96082624)	34.98205	(96082624)			
4856452.0		44.70328	(98032308)	44.92813	(98032308)	43.69802	(98032308)
40.89523		(98032308)	36.59913	(98032308)			
4856442.0		39.85381	(98032308)	43.96362	(98032308)	47.41571	(98032308)

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                                app a 6327.out.txt
49.77623 (98032308) 50.60788 (98032308)
4856432.0 | 45.12111 (96022708) 46.18176 (96022708) 46.66773 (96022708)
46.45988 (96022708) 47.07007 (98032308)
4856422.0 | 44.43178 (96022708) 47.75521 (96022708) 51.01238 (96022708)
54.07719 (96022708) 56.88368 (96022708)
4856412.0 | 59.79041 (98112724) 56.28521 (98112724) 51.81623 (98112724)
46.44775 (98112724) 48.94991 (96022708)
4856402.0 | 84.76559 (98051808) 84.66900 (98051808) 83.63981 (98051808)
81.47495 (98051808) 77.96078 (98051808)
4856392.0 | 79.12617 (96110724) 78.85449 (96110724) 78.10512 (96110724)
77.55908 (97052408) 76.51686 (97052408)
4856382.0 | 53.77437 (98120608) 52.68627 (98120608) 51.04936 (98120608)
52.49502 (96111708) 56.76943 (96111708)
4856372.0 | 69.30741 (96111708) 70.29693 (96111708) 70.19291 (96111708)
68.76057 (96111708) 66.09865 (98051008)
4856362.0 | 79.57713 (98051008) 78.17028 (98051008) 73.33993 (96050908)
68.21814 (96050908) 59.28795 (96050908)
4856352.0 | 54.06103 (98072408) 54.45617 (98072408) 52.89104 (98072408)
48.40256 (98072408) 46.22955 (97021716)
4856342.0 | 46.67464 (97021716) 48.49355 (97122916) 55.01085 (97122916)
63.47699 (97120108) 74.13206 (97120108)
4856332.0 | 68.94498 (97120108) 77.87569 (97120108) 77.84119 (97120108)
70.46706 (97063008) 76.12547 (97063008)
4856322.0 | 68.95830 (97120108) 67.94656 (97063008) 80.16985 (96011008)
94.86613 (97090924) 93.22461 (97090924)
4856312.0 | 84.02489 (96011008) 93.51608 (97090924) 86.88472 (97090924)
62.91272 (97090924) 48.97350 (98102308)
4856302.0 | 79.16673 (97090924) 57.06188 (97090924) 45.01998 (98102308)
49.45150 (98102308) 51.66047 (98102308)
4856292.0 | 41.50010 (98102308) 45.78429 (98102308) 48.27773 (98102308)
47.37095 (98102308) 43.00103 (98102308)
4856282.0 | 45.17844 (98102308) 44.99516 (98102308) 41.57402 (98102308)
37.17469 (97110208) 42.01530 (97110208)
4856272.0 | 40.21663 (98102308) 35.16969 (97010724) 36.55204 (97110208)
39.95427 (97110208) 45.45958 (98010708)
4856262.0 | 31.95589 (97110208) 35.29923 (97110208) 37.61303 (97110208)
46.23729 (98010708) 56.34289 (98010708)
4856252.0 | 33.64835 (97110208) 35.19912 (97110208) 46.54869 (98010708)
54.70715 (98010708) 56.88929 (98010708)
4856242.0 | 35.92538 (98010708) 46.45322 (98010708) 52.84283 (98010708)
53.58332 (98010708) 45.37462 (96010808)
4856232.0 | 46.01302 (98010708) 50.82605 (98010708) 50.40315 (98010708)
43.39276 (96010808) 45.41419 (96060608)
4856222.0 | 48.71661 (98010708) 47.37507 (98010708) 41.51498 (96010808)
43.17866 (96060608) 43.52312 (96060608)
4856212.0 | 44.50607 (98010708) 39.73754 (96010808) 41.12287 (96060608)
41.47840 (96060608) 42.34243 (96020408)
4856202.0 | 38.05614 (96010808) 39.23441 (96060608) 38.86243 (96020708)
40.09806 (96020408) 39.96867 (96020408)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCVIEW4\TAN\VTank8hr.isc
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                                PAGE 20
**MODELOPTS: CONC                RURAL FLAT FLGPOL DFAULT
                                NOCMPL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
                                INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
                                Page 30
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app a 6327.out.txt

GRIDCART ***

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**
** CONC OF MISC.      IN MICROGRAMS/M**3
**
Y-COORD |          |          |          |          | X-COORD (METERS)
(METERS) |          |          |          |          | 362838.00
362848.00 | 362818.00 | 362858.00 | 362828.00 |
-----|-----|-----|-----|-----|-----
4856192.0 | 37.49514 (96060608) | 37.22138 (96020708) | 38.12738 (96020708)
40.53657 (96020408) | 37.91972 (96112324) |
1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc
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**MODELOPTS: CONC
PAGE 21
RURAL FLAT FLGPOL DFAULT
NOCMPL
*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
```

GRIDCART ***

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**
** CONC OF MISC.      IN MICROGRAMS/M**3
**
Y-COORD |          |          |          |          | X-COORD (METERS)
(METERS) |          |          |          |          | 362888.00
362898.00 | 362868.00 | 362908.00 | 362878.00 |
-----|-----|-----|-----|-----|-----
4856592.0 | 43.40133 (96120308) | 50.39517 (96081924) | 62.30568 (96081924)
44.50369 (97022424) | 43.03747 (96010908) |
4856582.0 | 43.71104 (98011124) | 47.63342 (96120308) | 60.61818 (96081924)
57.19846 (96081924) | 49.51604 (97022424) |
4856572.0 | 52.60418 (98041124) | 44.51634 (98011124) | 51.25290 (96120308)
67.69562 (96081924) | 45.31313 (96081924) |
4856562.0 | 45.73623 (98041124) | 54.10508 (98041124) | 49.20477 (96120308)
53.58745 (96120308) | 67.97411 (96081924) |
4856552.0 | 45.37186 (98020108) | 50.60871 (98041124) | 54.26809 (98041124)
55.44575 (96120308) | 65.13433 (96081924) |
4856542.0 | 48.56257 (98020108) | 45.08318 (98020108) | 55.59504 (98041124)
52.57358 (98041124) | 61.06689 (96120308) |
4856532.0 | 56.53122 (97122324) | 51.54076 (97122324) | 44.14566 (98020108)
60.29492 (98041124) | 52.79827 (96120308) |
4856522.0 | 58.08497 (97122324) | 61.74656 (97122324) | 55.98090 (97122324)
42.88005 (98122416) | 64.18018 (98041124) |
4856512.0 | 79.00159 (98032224) | 63.11145 (97122324) | 67.59528 (97122324)
60.90190 (97122324) | 46.67696 (98122416) |
4856502.0 | 79.93858 (98032224) | 85.45848 (98032224) | 68.58556 (97122324)
74.12495 (97122324) | 66.37768 (97122324) |
4856492.0 | 51.61242 (96120308) | 65.85575 (98032224) | 87.28761 (98032224)
74.38761 (97122324) | 81.43636 (97122324) |
4856482.0 | 58.08177 (98010324) | 57.01703 (98010324) | 59.30503 (97122324)
82.93536 (98032224) | 80.43858 (97122324) |
4856472.0 | 47.70681 (98010324) | 58.19952 (98010324) | 62.12836 (98010324)
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app a 6327.out.txt
59.13792 (96120308) 74.70512 (97122324)
4856462.0 | 38.20552 (96082624) 40.77979 (98010324) 54.62509 (98010324)
64.47488 (98010324) 65.60615 (98010324)
4856452.0 | 33.67999 (96082624) 38.48472 (96082624) 42.79237 (96082624)
48.16496 (98010324) 62.88255 (98010324)
4856442.0 | 49.66093 (98032308) 46.71862 (98032308) 42.12339 (96022624)
44.41082 (96082624) 48.87207 (96082624)
4856432.0 | 52.14890 (98032308) 56.12371 (98032308) 58.25603 (98032308)
57.92669 (98032308) 54.72543 (98032308)
4856422.0 | 59.34095 (96022708) 61.11779 (96022708) 58.83274 (96022708)
58.61993 (96022708) 64.41837 (98032308)
4856412.0 | 54.10250 (96022708) 59.51877 (96022708) 65.07475 (96022708)
70.59350 (96022708) 75.82380 (96022708)
4856402.0 | 78.10915 (98112724) 77.60829 (98112724) 75.50076 (98112724)
71.41525 (98112724) 65.06648 (98112724)
4856392.0 | 74.79424 (97052408) 72.27202 (97052408) 68.82156 (97052408)
64.30982 (97052408) 58.61082 (97052408)
4856382.0 | 60.97108 (96111708) 64.82349 (96111708) 67.91336 (96111708)
69.66029 (96111708) 69.31844 (96111708)
4856372.0 | 71.27757 (98051008) 73.34131 (98051008) 70.54077 (98051008)
61.51740 (98051008) 58.14726 (98121508)
4856362.0 | 53.40133 (98072408) 50.30337 (98072408) 43.68550 (98072408)
44.84836 (98031824) 55.64569 (96120816)
4856352.0 | 52.59670 (97122916) 57.32317 (97122916) 63.09785 (97120108)
68.19069 (97063008) 89.05650 (97063008)
4856342.0 | 73.50378 (97120108) 80.95976 (97063008) 80.92015 (97063008)
93.18725 (97090924) 74.28230 (97090924)
4856332.0 | 90.28265 (97090924) 96.37877 (97090924) 72.83173 (97090924)
60.54459 (98102308) 68.45918 (98102308)
4856322.0 | 68.45709 (97090924) 53.78482 (98102308) 59.24319 (98102308)
63.10824 (98102308) 61.96701 (98102308)
4856312.0 | 53.57032 (98102308) 55.50814 (98102308) 55.19427 (98102308)
53.89399 (97110208) 60.68307 (97110208)
4856302.0 | 49.94262 (98102308) 46.48809 (98102308) 51.26983 (97110208)
59.19444 (98010708) 74.41851 (98010708)
4856292.0 | 43.52036 (97110208) 48.30385 (97110208) 58.98501 (98010708)
70.56660 (98010708) 72.19574 (98010708)
4856282.0 | 45.15421 (97110208) 58.58376 (98010708) 67.15865 (98010708)
66.47520 (98010708) 59.78918 (96060608)
4856272.0 | 57.66241 (98010708) 63.72913 (98010708) 61.53721 (98010708)
56.73071 (96060608) 55.27405 (96060608)
4856262.0 | 60.28516 (98010708) 56.98114 (98010708) 53.46710 (96060608)
52.24574 (96060608) 54.18954 (97120724)
4856252.0 | 52.80926 (98010708) 50.52322 (96060608) 50.74617 (96060608)
51.82366 (96020408) 57.59555 (97120808)
4856242.0 | 47.85311 (96060608) 48.13824 (96060608) 49.43311 (96020408)
50.59328 (97120808) 61.80709 (97120808)
4856232.0 | 45.73703 (96060608) 47.04076 (96020408) 45.93888 (97120724)
56.24160 (97120808) 58.22821 (98122308)
4856222.0 | 44.66498 (96020408) 43.17173 (97120724) 51.57163 (97120808)
56.22410 (98122308) 59.26946 (97010508)
4856212.0 | 41.28590 (96020408) 46.40543 (97120808) 52.48877 (98122308)
52.52153 (98122308) 67.06146 (98112324)
4856202.0 | 41.65096 (97120808) 48.34562 (97120808) 54.12021 (98122308)
59.01584 (97010508) 66.10390 (98112324)
1 *** ISC3P - VERSION 04269 *** *** C:\ISView4\TAN\VTank8hr.isc
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**MODELOPTs: CONC

ENGINEERING DESIGN FILE

app a 6327.out.txt

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) | 362868.00 362908.00 362878.00 362888.00
362898.00

4856192.0 | 44.57619 (97120808) 53.02387 (96031224) 55.05367 (97010508)
65.33286 (98112324) 56.23054 (97121208)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\tan\vtank8hr.isc

**MODELOPTS: CONC PAGE 23
RURAL FLAT FLGPOL DFAULT
NOCMPL

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) | 362918.00 362928.00 362938.00
362948.00

4856592.0 | 43.74804 (98072808) 51.46378 (97071324) 56.81756 (98101724)
58.62272 (96101724) 71.46676 (97121608)
4856582.0 | 43.66125 (98010116) 45.58210 (97071324) 56.27685 (96122524)
61.30443 (96101724) 73.05469 (97121608)
4856572.0 | 46.56933 (97022424) 44.73656 (98072808) 54.52092 (96122524)
60.83227 (98101724) 66.11880 (97121608)
4856562.0 | 50.25676 (97022424) 44.02184 (98010116) 48.72341 (97071324)
58.84818 (96122524) 63.66278 (96101724)
4856552.0 | 58.52309 (96081924) 49.76454 (97022424) 44.73481 (98072808)
60.60516 (96122524) 63.52172 (96101724)
4856542.0 | 73.40805 (96081924) 50.06534 (97052324) 42.84303 (98061008)
51.25893 (97071324) 58.23149 (96122524)
4856532.0 | 64.88574 (96120308) 70.99878 (96081924) 51.46694 (97022424)
45.30098 (97052324) 65.55710 (96122524)
4856522.0 | 61.62827 (96120308) 66.16308 (96081924) 54.28560 (96081924)
45.87840 (97052324) 52.72604 (97071324)
4856512.0 | 66.39608 (98041124) 70.10856 (96120308) 75.23540 (96081924)
54.92091 (97052324) 48.36760 (97052324)
4856502.0 | 50.61740 (98122416) 65.79092 (98041124) 76.18018 (96120308)

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                                app a 6327.out.txt
67.38072 (96081924) 50.13377 (97052324)
4856492.0 | 72.41318 (97122324) 54.50602 (98122416) 64.75268 (97082408)
76.40504 (96120308) 57.01702 (97052324)
4856482.0 | 89.39355 (97122324) 78.90315 (97122324) 57.99235 (98122416)
71.32323 (96120308) 67.49192 (96081924)
4856472.0 | 86.23278 (97122324) 97.75853 (97122324) 85.66921 (97122324)
62.27898 (98041124) 79.88017 (96120308)
4856462.0 | 75.10812 (97122324) 94.87953 (97122324) 106.07457 (97122324)
92.30736 (97122324) 65.72494 (97082408)
4856452.0 | 71.03683 (98010324) 71.69275 (97122324) 98.17517 (97122324)
113.36555 (97122324) 97.91427 (97122324)
4856442.0 | 57.08077 (98010324) 72.15073 (98010324) 76.99934 (98010324)
96.72569 (97122324) 117.88824 (97122324)
4856432.0 | 52.47006 (96022624) 58.41213 (96082624) 67.94218 (98010324)
82.28796 (98010324) 87.04353 (97122324)
4856422.0 | 68.45560 (98032308) 69.22459 (98032308) 70.45070 (96022624)
73.18930 (96082624) 81.37338 (98010324)
4856412.0 | 80.42277 (96022708) 83.93714 (96022708) 85.80859 (96022708)
85.31899 (96022708) 94.64003 (96022624)
4856402.0 | 68.60871 (96022708) 78.28224 (96022708) 89.07494 (96022708)
100.97702 (96022708) 113.96182 (96022708)
4856392.0 | 53.74120 (96082424) 57.59937 (96082424) 66.91506 (97092416)
82.90546 (97092416) 104.88860 (97092416)
4856382.0 | 71.38411 (98121508) 75.57797 (98121508) 76.94337 (98121508)
80.90710 (97022416) 103.83704 (97020816)
4856372.0 | 53.06304 (98090616) 59.91454 (97022416) 71.59927 (96120816)
93.94830 (96120816) 112.15081 (96120816)
4856362.0 | 67.99557 (96120816) 79.91812 (96120816) 89.23261 (97063008)
90.42978 (98020108) 104.06126 (98102308)
4856352.0 | 79.33536 (97090924) 74.17055 (98020108) 83.72848 (98102308)
97.91017 (98102308) 104.61597 (98102308)
4856342.0 | 70.54153 (98102308) 80.29641 (98102308) 85.73808 (98102308)
87.09995 (97110208) 111.75204 (98010708)
4856332.0 | 72.39380 (98102308) 71.61792 (98102308) 84.58206 (98010708)
102.28296 (98010708) 102.73951 (98010716)
4856322.0 | 65.73593 (97110208) 81.58142 (98010708) 93.67477 (98010708)
90.83359 (98010716) 91.22780 (97120724)
4856312.0 | 78.13490 (98010708) 85.83604 (98010708) 80.03016 (98010716)
82.07484 (97120724) 93.11028 (97120808)
4856302.0 | 78.70045 (98010708) 70.74939 (98010716) 73.57277 (97120724)
81.68842 (97120808) 90.57626 (96120108)
4856292.0 | 63.97667 (96060608) 65.83416 (97120724) 70.69266 (97120808)
85.20629 (97120808) 87.49898 (96120108)
4856282.0 | 58.87548 (97120724) 63.12601 (97120724) 80.18259 (97120808)
80.78876 (96120108) 94.03181 (98021308)
4856272.0 | 58.73910 (97120724) 73.32724 (97120808) 71.55872 (96120108)
75.13666 (98021308) 94.10893 (98021308)
4856262.0 | 65.38341 (97120808) 70.17049 (97120808) 71.07660 (98112324)
80.94338 (98021308) 101.11958 (96113024)
4856252.0 | 65.93714 (97120808) 62.89886 (96120108) 71.60175 (98112324)
80.61895 (98021308) 96.43527 (96113024)
4856242.0 | 59.72278 (98030808) 72.97754 (98112324) 69.79755 (98021308)
93.36973 (96113024) 83.85442 (97101608)
4856232.0 | 65.75326 (98112324) 66.48714 (98112324) 69.99577 (96113024)
92.52577 (96113024) 82.52737 (98051108)
4856222.0 | 70.59439 (98112324) 62.52642 (97121208) 85.12218 (96113024)
77.98343 (96113024) 81.28220 (98020708)
4856212.0 | 60.44537 (98112324) 63.98483 (96113024) 86.77522 (96113024)
78.32532 (98051108) 76.94468 (98020708)
4856202.0 | 59.25962 (97121208) 77.20189 (96113024) 76.67064 (96113024)
73.67175 (98051108) 67.97568 (97091408)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCView4\TAN\VTank8hr.isc
***
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app a 6327.out.txt

PAGE 24
RURAL FLAT FLGPOL DFAULT
NOCMPL
**MODELOPTS: CONC
*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3

Y-COORD | X-COORD (METERS)
(METERS) | 362918.00 362958.00 362928.00 362938.00

4856192.0 | 60.86017 (97042308) 80.33051 (96113024) 70.58774 (98051108)
74.13084 (98020708) 65.20284 (97121424)
1 *** ISC3P - VERSION 04269 *** C:\ISCView4\tan\VTank8hr.isc

PAGE 25
RURAL FLAT FLGPOL DFAULT
NOCMPL
**MODELOPTS: CONC
*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3

Y-COORD | X-COORD (METERS)
(METERS) | 362998.00 363008.00 362978.00 362988.00

4856592.0 | 50.05627 (97032424) 55.33450 (97061824) 64.70148 (98101708)
58.13624 (96020508) 63.15880 (98040908)
4856582.0 | 57.78722 (97121608) 53.12228 (97061824) 64.15123 (98101708)
57.44601 (96020508) 63.99337 (98040908)
4856572.0 | 66.97845 (97121608) 52.74160 (97032424) 60.65255 (98101708)
55.95046 (96020508) 64.47012 (98040908)
4856562.0 | 75.42383 (97121608) 56.60700 (97032424) 56.92854 (97061824)
53.40894 (96020508) 64.52225 (98040424)
4856552.0 | 78.30640 (97121608) 55.78674 (97032424) 58.65268 (97061824)
58.43270 (98101708) 67.41204 (98040424)
4856542.0 | 69.63554 (97121608) 65.21170 (97121608) 56.79835 (97061824)
64.29475 (98101708) 69.81136 (98040424)
4856532.0 | 67.48254 (96101724) 74.99365 (97121608) 52.54172 (98090924)
Page 35

ENGINEERING DESIGN FILE

app a 6327.out.txt
67.79381 (98101708) 71.42008 (98040424)
4856522.0 | 62.32622 (96101724) 79.47856 (97121608) 58.86610 (97032424)
67.19119 (98101708) 71.85471 (98040424)
4856512.0 | 67.17545 (96122524) 68.77020 (97121608) 61.80290 (97062024)
60.81861 (98101708) 70.66342 (98040424)
4856502.0 | 57.11602 (96122524) 68.99944 (96101724) 66.36931 (97121608)
60.42670 (97031624) 67.39063 (98040424)
4856492.0 | 50.33749 (97052324) 61.76687 (96122524) 71.28114 (97121608)
62.81645 (97031624) 66.50439 (97042624)
4856482.0 | 53.62714 (97052324) 58.77680 (96122524) 65.70029 (96101724)
60.07143 (97062024) 72.56990 (97042624)
4856472.0 | 51.32765 (97052324) 60.35500 (97102624) 66.99281 (96101724)
60.99239 (97062024) 78.22250 (97042624)
4856462.0 | 78.84615 (96120308) 53.78056 (97102624) 62.86320 (98010308)
65.00646 (96042008) 82.79408 (97042624)
4856452.0 | 71.86305 (97082408) 59.78351 (96120308) 70.13306 (97102624)
75.56250 (96042008) 85.60831 (97042624)
4856442.0 | 101.12505 (97122324) 71.57162 (97082408) 76.72621 (96082316)
75.34328 (96082316) 86.53008 (97042624)
4856432.0 | 121.99300 (97122324) 99.09079 (97122324) 91.62874 (96082316)
102.86999 (96082316) 91.95338 (98042116)
4856422.0 | 92.41818 (98010324) 109.69442 (97122324) 108.03001 (97052616)
130.17728 (96082316) 114.08508 (97051416)
4856412.0 | 103.95213 (96092316) 188.74115 (96092316) 145.12888 (97111316)
135.61783 (97052616) 150.17899 (97051416)
4856402.0 | 127.96024 (96022708) 266.31961 (96022624) 247.56786 (96022624)
118.59976 (96022624) 89.69793 (97051416)
4856392.0 | 188.16917 (96092316) 271.57651 (98121016) 291.75269 (98121016)
185.44864 (97092416) 130.16168 (96111916)
4856382.0 | 143.30476 (97092416) 259.86423 (98121016) 301.14642 (98121016)
240.69781 (98020524) 68.15294 (98020524)
4856372.0 | 122.22827 (97020816) 245.76057 (98102308) 326.31522 (98020524)
195.25040 (98102416) 95.12645 (97121716)
4856362.0 | 124.78750 (98102308) 143.77301 (98010716) 229.28685 (98020524)
157.23924 (97011516) 121.24191 (97080516)
4856352.0 | 122.15380 (98010708) 139.62447 (97120724) 132.80769 (97011516)
125.87115 (98021308) 150.88591 (96031316)
4856342.0 | 118.07058 (98010716) 109.73994 (97120724) 119.51396 (98021308)
128.46626 (97012724) 136.80005 (96031308)
4856332.0 | 100.72734 (97120724) 108.74942 (97011516) 136.37788 (98021308)
129.86855 (97092308) 140.57530 (98021708)
4856322.0 | 100.63812 (97120808) 120.02578 (98021308) 126.66826 (97012724)
141.38306 (97092308) 145.41183 (98021708)
4856312.0 | 101.90766 (96120108) 125.66447 (98021308) 110.74155 (98011908)
130.68668 (98051208) 138.72928 (98021708)
4856302.0 | 108.19350 (98021308) 114.09685 (97012724) 115.44067 (97092308)
112.81306 (98051208) 127.98617 (97051008)
4856292.0 | 109.65502 (98021308) 105.39238 (98011908) 117.59286 (97092308)
103.88147 (96031308) 133.64938 (97051008)
4856282.0 | 106.84116 (96113024) 91.77782 (98020708) 114.16731 (98051208)
101.59670 (98021708) 134.30753 (97051008)
4856272.0 | 96.62436 (96113024) 96.82487 (97092308) 107.69839 (98051208)
103.39940 (98021708) 131.43088 (97051008)
4856262.0 | 90.14633 (98051108) 96.55809 (97092308) 94.86752 (98051208)
101.33020 (98021708) 126.25050 (97051008)
4856252.0 | 87.84807 (98020708) 91.09016 (98051208) 101.16618 (97121624)
96.72784 (98021708) 119.64477 (97051008)
4856242.0 | 83.91327 (98020708) 89.48547 (98051208) 103.72829 (97121624)
90.67671 (98021708) 112.38634 (97051008)
4856232.0 | 79.96280 (97092308) 84.92332 (97121424) 101.26122 (97121624)
96.13757 (97051008) 104.89511 (97051008)
4856222.0 | 74.66879 (97121424) 81.76943 (97121624) 95.46426 (97121624)
101.27643 (97051008) 97.51173 (97051008)

app a 6327.out.txt
4856212.0 | 80.62648 (97121424) 89.61903 (97121624) 87.98936 (97121624)
104.22409 (97051008) 90.42946 (97051008)
4856202.0 | 82.04881 (97121424) 93.72671 (97121624) 80.09143 (97121624)
105.26428 (97051008) 88.94953 (97101408)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc

PAGE 26
RURAL FLAT FLGPOL DFAULT
NOCMPL
**MODELOPTS: CONC
*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3
**

Y-COORD (METERS)				X-COORD (METERS)
362998.00	362968.00	363008.00	362978.00	362988.00

4856192.0 | 79.18164 (97121424) 94.22289 (97121624) 72.55413 (97121624)
104.72894 (97051008) 87.16740 (97101408)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\TAN\VTank8hr.isc

PAGE 27
RURAL FLAT FLGPOL DFAULT
NOCMPL
**MODELOPTS: CONC
*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3
**

Y-COORD (METERS)				X-COORD (METERS)
363048.00	363018.00	363058.00	363028.00	363038.00

4856592.0 | 59.15142 (98091324) 53.13868 (98051408) 64.91338 (98051408)
74.08301 (98051124) 85.91199 (96120708)
4856582.0 | 60.95538 (98091324) 58.10306 (98051408) 68.23839 (98051408)
72.07484 (98051124) 84.93449 (96120708)
4856572.0 | 62.67273 (98091324) 63.63171 (98051408) 71.41412 (98051408)
66.93729 (98051124) 77.46860 (96120708)
4856562.0 | 64.25361 (98091324) 69.76277 (98051408) 75.12476 (98051124)
Page 37

ENGINEERING DESIGN FILE

				app a 6327.out.txt		
68.58437	(98122408)	64.74149	(97100124)			
4856552.0		65.63461	(98091324)	76.51286	(98051408)	83.31525 (98051124)
76.62108	(96120708)	66.75046	(96051908)			
4856542.0		66.73526	(98091324)	83.85767	(98051408)	89.70013 (98051124)
79.38622	(96120708)	76.58707	(96051908)			
4856532.0		67.45340	(98091324)	91.70088	(98051408)	92.53267 (98051124)
75.74302	(97100124)	74.26193	(96051908)			
4856522.0		67.65811	(98091324)	99.82598	(98051408)	89.83409 (98051124)
77.01420	(97100124)	70.11314	(96090124)			
4856512.0		67.49975	(98051408)	107.82543	(98051408)	80.13930 (98051124)
70.10766	(98040608)	70.07444	(96052824)			
4856502.0		74.91504	(98051408)	115.00528	(98051408)	82.60414 (98052124)
68.44473	(98041108)	84.11695	(98010424)			
4856492.0		83.30610	(98051408)	120.28069	(98051408)	90.29218 (97100124)
77.64023	(96090124)	79.65202	(98010424)			
4856482.0		92.68622	(98051408)	122.12355	(98051408)	92.29376 (97100124)
85.43258	(97062424)	99.43457	(96121516)			
4856472.0		102.93108	(98051408)	119.21621	(98052124)	83.00195 (98052124)
93.19112	(97062424)	106.73306	(96121516)			
4856462.0		113.64893	(98051408)	138.29100	(98052124)	102.42788 (96111924)
113.89078	(96121516)	114.41612	(97052516)			
4856452.0		126.80135	(97030208)	154.20284	(98052124)	115.00268 (96111924)
121.60014	(96121516)	129.11972	(98060924)			
4856442.0		139.71724	(97030208)	157.46713	(98052124)	121.66206 (96121516)
156.90388	(97052516)	134.49420	(98122216)			
4856432.0		149.03804	(97030208)	152.74248	(96121716)	167.03638 (97052516)
175.70265	(98122216)	179.47429	(98121024)			
4856422.0		142.02930	(97030208)	188.24942	(97110416)	213.70963 (98122216)
172.35786	(97011416)	199.29439	(96112308)			
4856412.0		133.62485	(96121716)	176.11407	(96120516)	192.41173 (97011416)
184.68520	(98082524)	147.81201	(97071724)			
4856402.0		121.34919	(96111916)	113.44972	(96071824)	168.29199 (97071724)
129.62416	(96091708)	121.18967	(96091708)			
4856392.0		98.92265	(96111916)	38.59319	(96042416)	71.10139 (96042416)
87.19401	(98041608)	85.30315	(98041608)			
4856382.0		32.82417	(98041616)	84.28775	(96031616)	64.84583 (96050124)
87.21330	(96050124)	101.29192	(98011008)			
4856372.0		99.96038	(98041616)	171.64047	(96031408)	107.83592 (96031616)
68.54996	(98031816)	104.65808	(98012408)			
4856362.0		104.77145	(96031116)	191.99132	(97020508)	172.18774 (97021224)
90.25969	(98030416)	63.40916	(98020716)			
4856352.0		110.62939	(97032608)	168.61160	(98030608)	185.32234 (97022208)
153.74701	(97021224)	74.66660	(98030416)			
4856342.0		117.14954	(96032008)	174.80020	(98082808)	171.92307 (97022208)
157.82242	(97021224)	112.36446	(97021224)			
4856332.0		118.17099	(97022508)	166.02429	(98082808)	177.86803 (96012208)
177.51846	(97022208)	152.68552	(97021224)			
4856322.0		114.88091	(97022508)	159.36122	(97020908)	157.14905 (96101108)
166.96490	(97022208)	145.57394	(97010708)			
4856312.0		109.77695	(97022508)	148.33601	(97020908)	147.94576 (98082808)
156.89262	(97103008)	159.32448	(97010908)			
4856302.0		106.80319	(97031508)	134.83839	(97020908)	148.15701 (96111208)
171.99171	(97103008)	167.06003	(97010908)			
4856292.0		104.16367	(97031508)	138.31065	(97031208)	149.12968 (96111208)
150.27985	(97103008)	140.72475	(97010908)			
4856282.0		100.81333	(97031508)	139.42810	(97031208)	142.05753 (96111208)
139.27274	(96111208)	162.85204	(97103008)			
4856272.0		97.06002	(97031508)	137.04268	(97031208)	129.66423 (96111208)
134.54025	(96111208)	176.72043	(97103008)			
4856262.0		93.11352	(97031508)	132.62697	(97031208)	114.98897 (96111208)
133.95445	(98092808)	162.26724	(97103008)			
4856252.0		90.08214	(97121308)	127.10425	(97031208)	110.80539 (98123108)
130.40384	(98092808)	131.89505	(97103008)			

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app a 6327.out.txt
4856242.0 |      88.51375 (97121308)      121.14093 (97031208)      110.17670 (98123108)
125.12337 (98101308)      121.67307 (96111208)
4856232.0 |      86.56947 (97121308)      115.08722 (97031208)      107.03082 (98123108)
117.48741 (98101308)      114.81310 (98092808)
4856222.0 |      84.39772 (97121308)      109.14297 (97031208)      102.24905 (98123108)
105.81818 (98101308)      116.87454 (98092808)
4856212.0 |      83.15656 (96120824)      103.41746 (97031208)      96.51242 (98123108)
92.60850 (98101308)      113.79845 (98092808)
4856202.0 |      82.23031 (96120824)      97.96596 (97031208)      94.85535 (96010508)
90.66508 (98123108)      106.90768 (98092808)
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1 *** ISC3P - VERSION 04269 *** *** C:\ISCView4\TAN\VTank8hr.isc
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PAGE 28
RURAL FLAT FLGPOL DFAULT
NOCMPL
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*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
***
**MODELOPTS: CONC
VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
```

```
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3
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```
Y-COORD | X-COORD (METERS)
(METERS) | 363018.00 363058.00 363028.00 363038.00
363048.00
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-----
4856192.0 |      81.10916 (96120824)      92.81192 (97031208)      100.03547 (96010508)
92.25975 (97110408)      100.90159 (98101308)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCView4\TAN\VTank8hr.isc
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***
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***
***
***
PAGE 29
RURAL FLAT FLGPOL DFAULT
NOCMPL
```

```
*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
***
**MODELOPTS: CONC
VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
```

```
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3
```

```
Y-COORD | X-COORD (METERS)
(METERS) | 363068.00 363108.00 363078.00 363088.00
363098.00
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4856592.0 |      69.22360 (96051908)      73.98909 (96051908)      53.47511 (98010424)
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ENGINEERING DESIGN FILE

app a 6327.out.txt
48.10227 (98010424) 73.48009 (98052708) 59.91955 (98010424)
4856582.0 | 80.54370 (96051908) 57.51910 (96051908)
46.06757 (97082724) 86.26199 (98052708)
4856572.0 | 84.54538 (96051908) 51.48978 (96052824) 58.65791 (98010424)
69.49320 (98052708) 78.11797 (98052708)
4856562.0 | 77.57859 (96051908) 62.80047 (98010424) 49.60187 (98010424)
85.80524 (98052708) 60.39483 (98041124)
4856552.0 | 61.91707 (96090124) 68.67572 (98010424) 61.91153 (98052708)
77.47208 (98052708) 78.59764 (98041124)
4856542.0 | 60.22363 (96052824) 62.74556 (98010424) 82.12592 (98052708)
65.03077 (98041124) 79.47490 (97022424)
4856532.0 | 73.44061 (98010424) 60.76060 (96121516) 74.19469 (98052708)
79.59846 (98041124) 91.42589 (97022424)
4856522.0 | 76.55596 (98010424) 74.18226 (98052708) 68.29745 (98041124)
92.70938 (97022424) 77.50795 (98040224)
4856512.0 | 68.59615 (96121516) 77.31100 (96121516) 76.38388 (98090724)
88.76327 (98040224) 87.00547 (97111808)
4856502.0 | 85.33563 (96121516) 80.90530 (98010208) 100.70334 (97022424)
84.83874 (97111808) 97.18199 (97111808)
4856492.0 | 91.02533 (96121516) 90.57332 (98090724) 89.58015 (98040224)
104.56645 (97111808) 92.42680 (97111808)
4856482.0 | 97.63718 (98010208) 103.27476 (98040224) 108.04335 (97111808)
103.56737 (97111808) 146.90636 (98121024)
4856472.0 | 100.14215 (98040224) 107.05802 (97111808) 114.70251 (97111808)
156.60358 (98121024) 167.66327 (98121024)
4856462.0 | 111.17606 (98060924) 125.05341 (97111808) 166.19357 (98121024)
172.89729 (98121024) 171.57651 (98110908)
4856452.0 | 132.56232 (97111808) 174.71500 (98121024) 179.67589 (98110908)
177.64774 (96112308) 150.07338 (96112308)
4856442.0 | 180.36606 (98121024) 194.75688 (98110908) 187.42059 (96112308)
125.21243 (96112308) 123.55074 (96021824)
4856432.0 | 199.42055 (98110908) 176.36427 (96112308) 130.12744 (96021824)
133.22449 (97011508) 118.05226 (97011508)
4856422.0 | 138.37346 (96112308) 138.79921 (97011508) 117.20412 (97011508)
104.80874 (98012324) 112.76904 (98111324)
4856412.0 | 119.29874 (97123008) 115.13043 (97042208) 112.09715 (97042208)
104.12045 (97042208) 100.23793 (98120824)
4856402.0 | 121.79796 (98041608) 130.05428 (98041608) 126.46528 (98041608)
116.03777 (98041608) 108.90242 (97021408)
4856392.0 | 85.96388 (98122208) 83.53938 (98122208) 78.60481 (98122208)
76.34993 (96093008) 74.24391 (96093008)
4856382.0 | 115.22132 (98011008) 113.64254 (98011008) 103.78539 (98011008)
90.66681 (98011008) 92.48456 (97012908)
4856372.0 | 108.38530 (96120724) 113.20143 (96120724) 96.84893 (96120724)
95.68996 (98011008) 101.69888 (98011008)
4856362.0 | 84.23390 (98012408) 120.33600 (98012408) 116.35300 (98012408)
115.71298 (96120724) 110.05226 (96120724)
4856352.0 | 65.88791 (98100408) 76.48957 (96120808) 92.78409 (98012408)
120.33004 (98012408) 118.46499 (98012408)
4856342.0 | 62.39422 (96101408) 61.11093 (98100408) 63.83082 (97061008)
85.30760 (96120808) 92.86729 (98012408)
4856332.0 | 94.19448 (97122724) 65.53552 (98111224) 53.67276 (97013124)
64.78050 (98122708) 72.20212 (96120808)
4856322.0 | 126.05164 (97021224) 83.48152 (96102208) 70.54101 (98111224)
54.47826 (97013124) 64.34193 (97013124)
4856312.0 | 125.34727 (96122024) 97.95815 (97021224) 83.73363 (96102208)
72.44609 (98111224) 53.23033 (98111908)
4856302.0 | 135.05774 (97010708) 105.24114 (97021224) 93.17899 (97021008)
83.06693 (96102208) 72.35080 (98111224)
4856292.0 | 156.07489 (97010908) 118.58879 (97010708) 88.73093 (97021224)
103.87970 (97021008) 81.72456 (96102208)
4856282.0 | 159.95943 (97010908) 117.40662 (97010708) 97.06495 (96122024)
73.02724 (96101708) 106.70345 (97021008)

app a 6327.out.txt
4856272.0 | 141.52072 (97021508) 143.92529 (97010908) 107.08437 (97010708)
97.97363 (96112724) 75.09256 (97021008)
4856262.0 | 130.99756 (97103008) 146.13922 (97010908) 110.53439 (97010908)
87.94873 (97112208) 86.62759 (96112724)
4856252.0 | 157.57190 (97103008) 141.37029 (97021508) 137.43698 (97102708)
106.17325 (96092908) 100.80939 (96112724)
4856242.0 | 168.53937 (97103008) 122.35080 (97021508) 132.56248 (97102708)
109.52179 (97100308) 97.23467 (97112208)
4856232.0 | 158.84387 (97103008) 126.12177 (97103008) 133.31056 (97021508)
131.07993 (97102708) 99.85143 (96092908)
4856222.0 | 136.06506 (97103008) 147.16704 (97103008) 126.40866 (97021508)
126.63542 (97102708) 111.06081 (97100308)
4856212.0 | 109.53761 (97103008) 155.27600 (97103008) 100.02919 (96110824)
121.86873 (97021508) 123.59676 (97102708)
4856202.0 | 100.58050 (96020908) 148.50055 (97103008) 118.76456 (97103008)
123.16769 (97021508) 119.63306 (97102708)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCVIEW4\TAN\VTANK8HR.ISC

PAGE 30
RURAL FLAT FLGPOL DFAULT
NOCMPL
**MODELOPTS: CONC
*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3
**
Y-COORD | X-COORD (METERS)
(METERS) | 363068.00 363078.00 363088.00
363098.00 363108.00

4856192.0 | 99.21401 (98092808) 131.49536 (97103008) 134.66464 (97103008)
105.13708 (97021508) 109.48013 (97021508)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCVIEW4\TAN\VTANK8HR.ISC

PAGE 31
RURAL FLAT FLGPOL DFAULT
NOCMPL
**MODELOPTS: CONC
*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3
**
Y-COORD | X-COORD (METERS)

ENGINEERING DESIGN FILE

(METERS)	363118.00	app a 6327.out.txt	363128.00	363138.00
363148.00		363158.00		
4856592.0 76.75705 (98052708) 69.10233 (98041124) 64.69978 (96120808)				
69.05708 (98121808) 53.19560 (96010308)				
4856582.0 58.04490 (98112008) 73.59928 (98041124) 74.93719 (97022424)				
61.90617 (98121808) 58.87202 (97111808)				
4856572.0 74.59122 (98041124) 75.32968 (97022424) 70.02354 (98121808)				
56.67930 (97111808) 68.18190 (97111808)				
4856562.0 73.82063 (98041124) 79.54548 (97022424) 57.89227 (96010308)				
70.29559 (97111808) 67.37147 (97111808)				
4856552.0 85.31578 (97022424) 65.04597 (98040224) 70.99217 (97111808)				
72.88654 (97111808) 64.06705 (97021108)				
4856542.0 78.73046 (97022424) 69.77467 (97111808) 78.17664 (97111808)				
66.94518 (97021108) 67.21587 (98121024)				
4856532.0 66.19763 (97111808) 82.76898 (97111808) 73.15979 (97111808)				
70.63138 (98121024) 100.35431 (98121024)				
4856522.0 85.99464 (97111808) 80.81200 (97111808) 74.21429 (98121024)				
107.63023 (98121024) 123.42654 (98121024)				
4856512.0 88.95807 (97111808) 77.93956 (98121024) 115.77072 (98121024)				
131.53653 (98121024) 115.91631 (98121408)				
4856502.0 82.54312 (97021108) 124.92736 (98121024) 140.28104 (98121024)				
126.07787 (98121408) 130.00357 (98110908)				
4856492.0 135.28926 (98121024) 149.67465 (98121024) 137.64046 (98110908)				
134.40332 (98110908) 128.83942 (96112308)				
4856482.0 159.70816 (98121024) 152.57986 (98110908) 141.04266 (96112308)				
129.58582 (96112308) 89.40578 (96011308)				
4856472.0 166.29276 (98110908) 155.57292 (96112308) 121.92946 (96112308)				
101.09586 (96011308) 85.18723 (96011308)				
4856462.0 160.07387 (96112308) 106.67095 (96011308) 100.40016 (96011308)				
99.05320 (96021824) 96.40270 (97011508)				
4856452.0 112.64862 (96011308) 113.19846 (96021824) 109.68005 (97011508)				
103.02109 (97011508) 81.97456 (97011508)				
4856442.0 122.83482 (97011508) 113.66020 (97011508) 84.63746 (97011508)				
86.43630 (98012324) 90.40192 (98111324)				
4856432.0 97.07271 (98012324) 101.44881 (98111324) 105.68748 (98111324)				
99.85730 (96120208) 85.90277 (96120208)				
4856422.0 108.03225 (96120208) 90.24207 (96120208) 79.69011 (97042208)				
80.54816 (98120824) 89.77161 (98120824)				
4856412.0 110.05486 (98120824) 111.22147 (98120824) 105.55657 (98120824)				
93.51306 (98120824) 84.07449 (98041608)				
4856402.0 108.28310 (97021408) 105.36012 (97021408) 100.81877 (97021408)				
93.86303 (97021408) 86.09135 (97021408)				
4856392.0 71.46510 (96093008) 68.31881 (96093008) 64.99648 (96093008)				
60.90873 (96093008) 56.92374 (96093008)				
4856382.0 94.42805 (97012908) 94.24335 (97012908) 92.52027 (97012908)				
88.59177 (97012908) 83.70475 (97012908)				
4856372.0 100.30089 (98011008) 94.57770 (98011008) 86.54699 (98011008)				
76.58939 (98011008) 68.20724 (98111608)				
4856362.0 94.70494 (96120724) 76.17149 (96120724) 74.75800 (98011008)				
76.82436 (98011008) 75.60723 (98011008)				
4856352.0 104.48823 (96120724) 105.69926 (96120724) 97.91301 (96120724)				
84.95335 (96120724) 70.80475 (96120724)				
4856342.0 114.38470 (98012408) 114.59238 (98012408) 95.87948 (98012408)				
93.10103 (96120724) 89.74888 (96120724)				
4856332.0 85.66270 (96120808) 88.82300 (98012408) 104.71191 (98012408)				
105.10828 (98012408) 92.00060 (98012408)				
4856322.0 65.54161 (98122708) 77.56649 (96120808) 79.18441 (96120808)				
81.72284 (98012408) 94.07695 (98012408)				
4856312.0 65.10329 (97013124) 73.43608 (98122708) 62.00813 (96120808)				
76.15798 (96120808) 70.78006 (96120808)				

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                                app a 6327.out.txt
4856302.0 | 54.84348 (98111908) 63.21847 (97013124) 74.49983 (98122708)
62.66221 (98122708) 65.76837 (96120808)
4856292.0 | 70.98432 (98111224) 55.00311 (98111908) 59.88706 (97013124)
71.46220 (97030624) 70.77753 (98122708)
4856282.0 | 79.81553 (96102208) 70.43525 (96112708) 54.07458 (98111908)
55.87416 (97013124) 72.24054 (97030624)
4856272.0 | 103.64125 (97021008) 77.89886 (96100608) 70.29938 (96112708)
52.41042 (98111908) 51.64629 (97013124)
4856262.0 | 86.11953 (97021008) 97.00410 (97021008) 79.74965 (96100608)
69.35072 (96112708) 50.28904 (98111908)
4856252.0 | 69.73376 (96112724) 93.12035 (97021008) 88.62932 (97021008)
79.98877 (96100608) 67.94420 (98011008)
4856242.0 | 98.82140 (96112724) 65.62034 (96071908) 95.89141 (97021008)
83.25317 (96111308) 79.52037 (98011008)
4856232.0 | 93.04497 (96112724) 87.15404 (96112724) 71.85202 (96071908)
95.01756 (97021008) 82.22134 (96111308)
4856222.0 | 97.53590 (97112208) 98.81143 (96112724) 71.72541 (96112724)
72.65396 (96071908) 91.46749 (97021008)
4856212.0 | 94.11019 (97100308) 85.13383 (97112208) 94.13182 (96112724)
57.95186 (96101708) 75.83199 (97021008)
4856202.0 | 109.11633 (97100308) 92.50534 (97112208) 91.07240 (96112724)
83.23484 (96112724) 61.07719 (96071908)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCView4\TAN\VTank8hr.isc
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                                PAGE 32
**MODELOPTs: CONC                RURAL FLAT FLGPOL DFAULT
                                NOCMPL
VALUES FOR SOURCE GROUP: ALL     *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
                                ***
                                INCLUDING SOURCE(S): POINT_7 ,
GRIDCART ***                     *** NETWORK ID: UCART1 ; NETWORK TYPE:
** CONC OF MISC. IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) | 363118.00 363158.00 363128.00 363138.00
363148.00
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4856192.0 | 115.55775 (97102708) 95.94520 (97100308) 86.55617 (97112208)
92.50018 (96112724) 69.93147 (96112724)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCView4\TAN\VTank8hr.isc
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                                PAGE 33
**MODELOPTs: CONC                RURAL FLAT FLGPOL DFAULT
                                NOCMPL
VALUES FOR SOURCE GROUP: ALL     *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
                                ***
                                INCLUDING SOURCE(S): POINT_7 ,
                                *** NETWORK ID: UCART1 ; NETWORK TYPE:
                                Page 43
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ENGINEERING DESIGN FILE

app a 6327.out.txt

GRIDCART ***

Y-COORD (METERS)		** CONC OF MISC.		IN MICROGRAMS/M**3	
**					
363198.00	363168.00	363208.00	363178.00	363188.00	X-COORD (METERS)
4856592.0	59.56932	(97111808)	61.47108	(97111808)	52.09029 (97111808)
52.26988	(97021108)	52.81067	(98121024)		
4856582.0	65.11205	(97111808)	56.82821	(97111808)	55.13502 (97021108)
55.34601	(98121024)	73.32334	(98121024)		
4856572.0	61.95867	(97111808)	58.08695	(97021108)	58.04657 (98121024)
77.74770	(98121024)	91.24243	(98121024)		
4856562.0	61.08471	(97021108)	60.92037	(98121024)	82.59634 (98121024)
96.69771	(98121024)	93.34727	(98121024)		
4856552.0	63.97340	(98121024)	87.93117	(98121024)	102.60385 (98121024)
97.08828	(98121024)	88.78840	(98121408)		
4856542.0	93.82214	(98121024)	108.99971	(98121024)	100.79176 (98121024)
97.00149	(98110908)	100.58286	(98110908)		
4856532.0	115.92480	(98121024)	104.38263	(98121024)	105.86923 (98110908)
104.25336	(98110908)	98.73020	(96112308)		
4856522.0	107.76796	(98121024)	114.73541	(98110908)	106.19231 (98110908)
104.85232	(96112308)	88.36015	(96112308)		
4856512.0	123.05585	(98110908)	111.16771	(96112308)	107.71553 (96112308)
81.90903	(96112308)	75.10680	(96011308)		
4856502.0	121.89931	(96112308)	106.01148	(96112308)	75.65959 (96011308)
81.48905	(96011308)	70.56625	(96011308)		
4856492.0	98.75604	(96112308)	87.14783	(96011308)	80.95670 (96011308)
72.54066	(96070108)	73.82061	(96010908)		
4856482.0	91.61684	(96011308)	78.75330	(96070108)	80.38376 (96010908)
81.42885	(98012408)	75.87844	(97011508)		
4856472.0	87.63199	(96010908)	88.41560	(98012408)	83.79138 (97011508)
73.05086	(97011508)	57.56169	(97011508)		
4856462.0	92.81702	(97011508)	77.82784	(97011508)	64.14447 (98012324)
64.99825	(98012324)	65.79800	(98111324)		
4856452.0	74.49194	(98012324)	73.38330	(98012324)	79.26820 (98111324)
78.80914	(98111324)	76.39801	(96120208)		
4856442.0	90.74905	(98111324)	87.09159	(96120208)	78.17261 (96120208)
64.59335	(96120208)	49.95283	(96120208)		
4856432.0	66.79755	(96120208)	59.05190	(96011008)	59.67972 (98120824)
67.96022	(98120824)	73.37808	(98120824)		
4856422.0	93.65060	(98120824)	92.76949	(98120824)	88.23891 (98120824)
81.29355	(98120824)	73.04107	(98120824)		
4856412.0	79.32802	(97021408)	79.45924	(97021408)	78.49167 (97021408)
76.68822	(97021408)	74.27506	(97021408)		
4856402.0	78.76734	(97021408)	71.97066	(97021408)	65.72796 (97021408)
60.03362	(97021408)	54.86328	(97021408)		
4856392.0	53.31515	(96093008)	50.03719	(96093008)	47.05079 (96093008)
44.95344	(97030408)	43.42386	(97030408)		
4856382.0	78.85435	(97012908)	74.15903	(97012908)	69.68734 (97012908)
65.47444	(97012908)	61.53366	(97012908)		
4856372.0	65.15211	(97012908)	66.50235	(97012908)	66.86945 (97012908)
66.45652	(97012908)	65.44773	(97012908)		
4856362.0	72.32738	(98011008)	67.84843	(98011008)	64.21778 (97122324)
60.37832	(97122324)	56.35963	(97122324)		
4856352.0	56.97030	(96120724)	55.47277	(98011008)	56.71267 (98011008)
56.41228	(98011008)	56.37945	(97122324)		
4856342.0	82.68764	(96120724)	73.76285	(96120724)	63.98316 (96120724)
54.02165	(96120724)	44.47805	(96120724)		

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app a 6327.out.txt
4856332.0 |      80.39208 (96120724)      79.94820 (96120724)      76.34459 (96120724)
70.99042 (96120724)      64.59756 (96120724)
4856322.0 |      95.56487 (98012408)      86.91701 (98012408)      71.51010 (98012408)
70.75189 (96120724)      69.87800 (98011408)
4856312.0 |      75.21413 (98012408)      84.98981 (98012408)      87.00181 (98012408)
81.38039 (98012408)      69.93589 (98012408)
4856302.0 |      71.98322 (96120808)      62.56804 (96120808)      69.30890 (98012408)
77.15846 (98012408)      79.38490 (98012408)
4856292.0 |      52.43055 (96120808)      66.09087 (96120808)      66.43377 (96120808)
55.01943 (96120808)      63.97775 (98012408)
4856282.0 |      74.02142 (98122708)      57.30150 (98122708)      56.11197 (96120808)
64.05813 (96120808)      60.41042 (96120808)
4856272.0 |      68.75661 (97030624)      72.53557 (98122708)      64.45905 (98122708)
44.86988 (96120808)      57.27130 (96120808)
4856262.0 |      49.05102 (96112824)      62.90296 (97030624)      68.94104 (97030624)
68.23233 (98122708)      51.32277 (98122708)
4856252.0 |      48.13251 (98042708)      48.62102 (96112824)      56.13112 (97030624)
68.28680 (97030624)      68.55224 (98122708)
4856242.0 |      67.04369 (98011008)      48.03465 (96112708)      47.78050 (96112824)
49.38869 (97030624)      65.10416 (97030624)
4856232.0 |      79.25938 (98011008)      65.72123 (98011008)      47.75793 (96112708)
46.59753 (96112824)      45.93550 (98111724)
4856222.0 |      79.67427 (96111308)      78.26141 (98011008)      64.11672 (98011008)
47.13844 (96112708)      45.16094 (98120808)
4856212.0 |      86.24498 (97021008)      76.17944 (96111308)      76.72783 (98011008)
62.32121 (98011008)      46.26740 (96112708)
4856202.0 |      78.26318 (97021008)      80.10964 (97021008)      72.34805 (96100608)
74.81773 (98011008)      60.40518 (98011008)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCVIEW4\tan\vtank8hr.isc
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PAGE 34
**MODELOPTs: CONC          RURAL  FLAT  FLGPOL  DFAULT
                          NOCMPL
VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
                              ***
                              INCLUDING SOURCE(S): POINT_7 ,
GRIDCART ***                 *** NETWORK ID: UCART1 ; NETWORK TYPE:
                              ** CONC OF MISC. IN MICROGRAMS/M**3
**
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Y-COORD |      X-COORD (METERS)
(METERS) |      363188.00
363198.00 |      363208.00      363178.00
-----|-----
4856192.0 |      64.05446 (96071908)      78.60285 (97021008)      73.61964 (97021008)
71.88813 (96100608)      72.65483 (98011008)
1 *** ISC3P - VERSION 04269 *** *** C:\ISCVIEW4\tan\vtank8hr.isc
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***
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PAGE 35
**MODELOPTs: CONC          RURAL  FLAT  FLGPOL  DFAULT
                          NOCMPL
Page 45
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app a 6327.out.txt

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): POINT_7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF MISC. IN MICROGRAMS/M**3

Y-COORD (METERS)	X-COORD (METERS)
4856592.0	69.27950 (98121024)
4856582.0	86.20084 (98121024)
4856572.0	89.62553 (98121024)
4856562.0	83.14147 (98121408)
4856552.0	95.78315 (98110908)
4856542.0	90.60639 (96112308)
4856532.0	91.05901 (96112308)
4856522.0	64.69870 (96011308)
4856512.0	74.24219 (96011308)
4856502.0	67.85310 (96010908)
4856492.0	75.23901 (98012408)
4856482.0	68.13037 (97011508)
4856472.0	57.40528 (98012324)
4856462.0	69.91383 (98111324)
4856452.0	70.56326 (96120208)
4856442.0	47.37154 (96011008)
4856432.0	75.85225 (98120824)
4856422.0	64.34980 (98120824)
4856412.0	71.43929 (97021408)
4856402.0	50.18258 (97021408)
4856392.0	41.96777 (97030408)
4856382.0	57.86459 (97012908)
4856372.0	64.00100 (97012908)
4856362.0	52.33595 (97122324)
4856352.0	55.35324 (97122324)
4856342.0	42.78285 (98011008)
4856332.0	57.59628 (96120724)
4856322.0	65.88286 (96120724)
4856312.0	63.24297 (96092908)
4856302.0	75.81999 (98012408)
4856292.0	70.37468 (98012408)
4856282.0	51.21228 (98012408)
4856272.0	60.59355 (96120808)
4856262.0	48.25481 (96120808)
4856252.0	57.32376 (98122708)
4856242.0	65.98276 (98122708)
4856232.0	60.42290 (97030624)
4856222.0	44.19127 (98111724)
4856212.0	43.54798 (98120808)
4856202.0	45.21709 (96112708)

1 *** ISC3P - VERSION 04269 *** *** C:\ISCview4\tan\vtank8hr.isc

**MODELOPTS: CONC